LAND APPLICATION OF BIOSOLIDS THOMAS H FITZGERALD

NE 06 (FIELDS 2-16, 18, 20-28, 35-37) NELSON COUNTY, VIRGINIA NOVEMBER 2013



April 08, 2014

Mr. Keith Showman
Department of Environmental Quality
Valley Regional Office
P.O. Box 3000
Harrisonburg, VA 22801

Dear Mr. Showman:

Transmitted herein for your consideration is land application site for Thomas H. Fitzgerald (designated as NE 06, fields 2-16, 18, 20-28, 35-37), located in Nelson County, Virginia. This submission contains strictly site specific information. Please refer to the operations and maintenance manual submitted under separate cover for all non-site specific information.

Do not hesitate to contact me at (804) 443-2170 should you have any questions or require additional information.

Sincerely,

Carolanne M. Whiteside

Technical Services Coordinator



FIELD SUMMARY SHEET

Thomas Fitzgerald

NE 06

SYNAGRO FIELD			FSA TRACT	FIELD TYPE	OWNER
#	ACICES	ACKES	#	11115	OWITER
06-02	68.9	65.6		Agriculture	Minor Wilcox
06-03	22.3	21.4		Agriculture	Minor Wilcox
06-04	16.4	14.7		Agriculture	Minor Wilcox
06-05	4.0	4.0		Agriculture	Minor Wilcox
06-06	21.5	20.1		Agriculture	Minor Wilcox
06-07	19.7	17.5		Agriculture	Minor Wilcox
06-08	16.3	16.3		Agriculture	Minor Wilcox
06-09	20.5	8.5		Agriculture	Swan Creek Farm LLC
06-10	52.2	50.0		Agriculture	Swan Creek Farm LLC
06-11	62.0	60.0		Agriculture	Swan Creek Farm LLC
06-12	104.9	65.5		Agriculture	Swan Creek Farm LLC
06-13	36.6	31.0		Agriculture	Swan Creek Farm LLC
06-14	39.4	39.4		Agriculture	Thomas H & Emily V Fitzgerald
06-15	72.5	70.0		Agriculture	Thomas H & Donna F. Fitzgerald
06-16	23.4	19.2		Agriculture	Thomas H Fitzgerald & Donna F
06-18	8.5	8.0		Agriculture	Nathan A & Rachel C Dunn
06-20	40.8	40.8		Agriculture	Donald J & Patricia A Willis
					James A. Wood Sr.
06-21	85.0	82.5		Agriculture	Kathleen M & Others Medwid
					Nancy H. Wood
06-22	25.1	25.1		Agriculture	Nancy H. Wood
06-23	13.8	13.8		Agriculture	Nancy H. Wood
06-24	15.9	15.9		Agriculture	Nancy H. Wood
06-25	47.4	47.4		Agriculture	Nancy H. Wood
06-26	8.6	8.6	1	Agriculture	Nancy H. Wood
06-27	15.2	15.2		Agriculture	Nancy H. Wood
06-28	74.2	74.2		Agriculture	Jill L. Dunmire
06-35	17.4	15.5		Agriculture	John T & Ruth F Saunders

06-36	14.7	13.5	Agriculture	John T & Ruth F Saunders
06-37	48.4	45.5	Agriculture	John T & Ruth F Saunders
TOTAL	995.6	909.2		Revised 03-07-2016

Field Number	Latitude (North)	Longitude (West)
06-02	37.678°	-78.715°
06-03	37.674°	-78.710°
06-04	37.677°	-78.711°
06-05	37.678°	-78.713°
06-06	37.680°	-78.711°
06-07	37.681°	-78.713°
06-08	37.677°	-78.706°
06-09	37.690°	-78.702°
06-10	37.688°	-78.701°
06-11	37.681°	-78.703°
06-12	37.682°	-78.697°
06-13	37.683°	-78.691°
06-14	37.790°	-79.000°
06-15	37.701°	-78.977°
06-16	37.822°	-78.991°
06-18	37.646°	-78.717°
06-20	37.639°	-78.719°
06-21	37.637°	-78.725°
06-22	37.642°	-78.731°
06-23	37.642°	-78.733°
06-24	37.646°	-78.733°
06-25	37.643°	-78.737°
06-26	37.640°	-78.735°
06-27	37.639°	-78.736°
06-28	37.636°	-78.743°
06-35	37.730°	-78.972°
06-36	37.730°	-78.975°
06-37	37,729°	-78.977°

Haul Route:

The Location maps in conjunction with the above latitude and longitude coordinates are a route planning tool meant to be a guide to indicate suggested haul routes for various preferences: to include but not limited to all federal, state, and local granted STAA access routes.

Revised 03-07-2016



VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: Thomas Henry Fitzgerald PH	ONE (424) 906-1362
TAKING PRATOK TO THE THE THE TAKE THE T	1/4 2.29.22
ADDRESS: 4695 Tye Brook Hwy, Arrington	Ly VH dalda
FARM LOCATION:	
* (a (iii (- 1)) (i (iii) ii (ii)	
727 1862 5000	
FSA TRACT #: 733, 1853, 5988	
TOTAL ACRES: COUNTY: Nelson)
CROPS: COTH, SOYLEANS	
I agree to be responsible for adhering to the following conditions, where	applicable:
a. The soil pH will be adjusted ≥6.0 when biosolids are applied. (This m	
of lime-treated biosolids).	THE COURT OF STREET
 Do not graze animals on the land for 30 days after the application of dairy production should not be allowed to graze on the land or be fee 	d channel foliage for 60 days after the
application of biosolids. Meat-producing livestock should not be fed	chopped foliage for 30 days after the
application of biosolids.	
 Food crops for direct human consumption with harvested parts below 	w the surface of the land shall not be
harvested for 14 months after the application of biosolids.	with a surface of the land shall not be
Food crops for direct human consumption with harvested parts below harvested for 20 months after the application of biosolids when the b	siosolids remain on the land surface > 4
months prior to incorporation into the soil or 38 months when the big	solids remain on the land surface < 4 months
prior to incorporation.	
 Food crops, feed crops and fiber crops shall not be harvested for 30 	days after application of biosolids.
f. Public access to land with a low potential for public exposure (land t	he public uses infrequently including but not
limited to agricultural land and forests) shall be restricted for 30 days to land with a high potential for public exposure (land the public uses	s frequently including but not limited to a
public contact site such as parks, playgrounds and golf courses) sha	all be restricted for 1 year. No biosolids-
amended soil shall be excavated or removed from the site for 30 day	ys following the biosolids application unless
adequate provisions are made to prevent public exposure to soils, d	usts or aerosols.
g. Turf grown on land where biosolids are applied shall not be harvested when the harvested turf is placed on either land with a high potentia	l for public exposure of a lower upless
otherwise specified by the permitting authority.	for public exposure of a lawn, unless
h. Supplemental commercial fertilizer or manure applications should be	e coordinated with the biosolids applications
such that the total crop needs fro nutrients are not exceeded as ider	itified on the nutrient balance sheet or the
nutrient management plan approved by the Virginia Department of C	Conservation and Recreation to be supplied to
the farm operator by Synagro at the time of application of biosolids to Tobacco, because it has been shown to accumulate cadmium, should be a shown to accumulate cadmium.	o a specific permitted site.
 Tobacco, because it has been shown to accumulate cadmium, shou application of biosolids-borne cadmium equal to or exceeding 0.45. 	bs/acre.
2. I understand that this transaction is not contemplated by the parties to be	a sale of goods, and that Synagro is willing to
provide to me without charge the service of land applying biosolids which	have been approved by the appropriate
regulatory agencies for land application.	A section and an additions and
3. I understand that successful crop production depends on many variables specific farming practices and that while Synagro has experience with land a	
properly accommodating agricultural practices to biosolids utilization are solu	
"Important Information About Using Biosolids as a Fertilizer" which is on the	reverse side and incorporated by reference in
this Request and Consent.	10-17
Here Her 180 All	10-15-12
OPERATOR'S SIGNATURE	DATE

IMPORTANT INFORMATION ABOUT USING BIOSOLIDS AS A FERTILIZER

Biosolids Generation

Biosolids are the accumulated, treated solids separated from water during the treatment of wastewater by public and private wastewater treatment plants (Generators). The Generator is responsible for supplying biosolids that are suitable for land application under state and federal regulations.

Benefits of Biosolids

Biosolids provide nitrogen in a form that can be taken up by plants during their growth cycle. Biosolids also add phosphorus to the soil. If lime is added to biosolids, the biosolids will have the added benefit of a liming agent. Biosolids contain primary, secondary and micronutrients that can be used by plants. Biosolids are primarily an organic material; when added to soil, they improve water and nutrient retention, reduce erosion potential and improve soil structure.

The Permitting Process

Once the farm operator requests biosolids, a Synagro representative initially evaluates the farm for truck access and field conditions. If the farm is found to be suitable and the Request for Biosolids and the Consent for Biosolids forms are signed. Synagro will collect soil samples and have them analyzed by an independent laboratory.

Synagro will then apply for any federal, state or local permits required for biosolids application. The permits will specifically identify the fields to which biosolids will be applied and will be issued to Synagro or the Generator.

After the permits are obtained (a process that may take several months or more) Synagro will apply biosolids, as they become available, to the fields. Availability of biosolids may vary because of weather conditions, contractual arrangements with blosofids generators and other factors. Although the company cannot guarantee blosofids application because of factors beyond its control, Synagro will use its best efforts to apply biosolids to the permitted fleids: The second of the seco

The conditions outlined in the permit will apply to any and all biosolids applications made by Synagro. Synagro will. not e responsible for biosolids application made by any other entity.

Periodic visits to the land application site(s) by federal, state and local regulatory staff and Synagro representatives may occur for the purpose of permitting the site, inspecting the site, applying biosolids, obtaining samples at the site and testing. Proper identification will be provided upon request. ation will be provided upon request.

Agronomic Considerations

Tractor-trailer units are used to deliver biosolids to the fields approved for biosolids applications. Soil compaction may occur on the travel areas used by the trucks and in areas where biosolids are unloaded for transfer to the

applicator vehicle.

Since some biosolids contain lime, it is important to recognize any increase in soil pH where biosolids have been applied and exercise care in using certain herbicides. If considering the use of a sulfonylurea herbicide, particular attention should be paid to any label restrictions. High soil pH and dry weather may slow decomposition of these chemicals, resulting in carryover. For soils with low manganese levels, increased soil pH from lime addition (alone or in lime treated biosolids) may reduce manganese availability and thereby potentially reduce crop yields.

In planning a herbicide program, it should be noted that seeds may sometimes survive the biosolids treatment process -- for example, tomato seeds. Also, the organic matter additions from biosolids application (organic matter tends to tie up certain herbicides) may require increased herbicide application rates. Consult your extension agent or chemical representative for a specific recommendation.

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Biosolids contain salts. Biosolids applications alone rarely cause salt problems. However, if combined with other significant salt-increasing factors, such as drought, excessive soil compaction, saline irrigation water and salt-contain fertilizers, salts may reach levels that could negatively affect germination and growth of some crops.

While odors from biosolids applications are not usually significant, and typically less than that from livestock manure, it is possible that an odor from the decomposition of organic matter may be noticed. It this occurs, it generally disappears in a short time.

Since biosolids provide nitrogen that will be released slowly throughout the growing season with diminishing carryover in subsequent years, it is important to reduce the use of nitrogen and other fertilizers to appropriate levels.

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VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application here as "Landowner", a terminated in writing by event of a sale of one o	agreement is made on 3-2 and Synagro, referred to here as either party or, with respect to the more parcels, until ownership then the changes, those parcels for the changes.	the "Permittee". This agreement of all parcels that are retained of all parcels changes. If owner	referred to ent remains in effect until it is by the Landowner in the ership of individual parcels
	ndustrial residuals under this ag		will no longer be authorized
Landowner: The Landowner is the of includes the agricultura map(s) attached as Exh	wner of record of the real prope I, silvicultural or reclamation sit ibit A.	rty located in <u>WELSo</u> es identified below in Table 1	N. Virginia, which and identified on the tax
Table 1.: Parcels	authorized to receive biosolids,	water treatment residuals or c	ther industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
66-A-64A			
106-A-64B			
	Land Application Sites are identified or		
within 38 months of the 1. Notify the purch later than the d 2. Notify the Perm The Landowner has no notify the Permittee imm for application or any page.	ndowner sells or transfers all or latest date of biosolids applicatinaser or transferee of the applicate of the property transfer; and littee of the sale within two week other agreements for land applicately if conditions change suart of this agreement becomes in	on, the Landowner shall: able public access and crop m as following property transfer. cation on the fields identified h uch that the fields are no longe	anagement restrictions no herein. The Landowner will er available to the Permittee
agricultural sites identifi inspections on the land purpose of determining Class B biosolids		Landowner also grants permis or after land application of per uirements applicable to such a ood processing waste Ot	ssion for DEQ staff to conduct mitted residuals for the
The se House	Fitzgara ID III Tilon	I A THE WISE	TYE Brook Hay, Arrington
Jandowner - Printed Name	Title Signature	Maili	ing. Address.
Permittee: Emily Synagro, the Permittee, a by the VPA Permit Regula	grees to apply biosolids and/or industion and in amounts not to exceed by a person certified in accordance	hy V Eutypeuld strial residuals on the Landowner the rates identified in the nutrient	's land in the manner authorized management plan prepared for
The Permittee agrees to n	otify the Landowner or the Landown	ner's designee of the proposed so	chedule for land application and
	nt(s) assigning signatory authority to DEQ for review upon request. (Do n		
LEONARD SCOTT Permittee – Authorized Rep	resentative Signature	catt Cham	7 Tidewater Trail pplain, VA 22438 ing Address

Rev 9/14/2012

Permittee – Authorized Representative Printed Name

Page 1 of 2

Permittee: Synagro	County or City:	NELSON	
Landowner:			
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Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
 residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
 nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
 Virginia;

6.	Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land
	for three years following the application of biosolids or industrial residuals which bear cadmium equal to or
	exceeding 0.45 pounds/acre (0.5 kij/grams/hectare).

Landowner's Signature.

DOWNSHIP IN 11 THE DAY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

"Landowner", and <u>Synagro</u> terminated in writing by eith event of a sale of one or m identified in this agreemen	, referred to here as the "Perm her party or, with respect to tho ore parcels, until ownership of	ittee". This agreement rel se parcels that are retaine all parcels changes. If ov nich ownership has chang	ed by the Landowner in the
Landowner: The Landowner is the own the agricultural, silvicultural attached as Exhibit A,	er of record of the real property I or reclamation sites identified	located in <u>NELSO</u> below in Table 1 and iden	Virginia, which includes ntified on the tax map(s)
Table 1./ Parcels au	thorized to receive biosolids, w	ater treatment residuals of	or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
45-47 42-A-14A	75-2-4		
later than the date 2. Notify the Permitte The Landowner has no of notify the Permittee imme	ser or transferee of the applicate of the property transfer; and see of the sale within two weeks the agreements for land applicately if conditions change sure of this agreement becomes investigated.	following property transfe ation on the fields identifie th that the fields are no lo	er. ed herein, The Landowner will nger available to the Permittee
agricultural sites identified inspections on the land identified purpose of determining concepts and the land identified by the land iden	entified above, before, during of the property	andowner also grants per after land application of rements applicable to succeed processing waste Yes No	rmission for DEQ staff to conduct permitted residuals for the
Thomas H. Fitzg	SAWIG		
by the VPA Permit Regulation	es to apply biosolids and/or indus on and in amounts not to exceed the or a person certified in accordance	ne rates identified in the nutri	ent management plan prepared for
Synagro, the Permittee, agree by the VPA Permit Regulation each land application field by The Permittee agrees to not specifically prior to any particular to the permittee agrees.	on and in amounts not to exceed the second ance of the Landowner or the La	ne rates Identified in the nutri with §10.1-104.2 of the Code er's designee of the propose 's land. Notice shall include	ent management plan prepared for e of Virginia. d schedule for land application and the source of residuals to be applied.
Synagro, the Permittee, agree by the VPA Permit Regulation each land application field by The Permittee agrees to not specifically prior to any partic X I reviewed the document(s	on and in amounts not to exceed the second ance of the Landowner or the La	ne rates Identified in the nutri with §10.1-104.2 of the Code er's designee of the propose 's land. Notice shall include the person signing for landov	ent management plan prepared for e of Virginia. d schedule for land application and the source of residuals to be applied. vner above. I will make a copy of this

Rev 9/14/2012

	All Committee and the second	NELCON
Permittee: Synagro	County or City:	NELSON.
Landowner: Word H. A. family	_	
Landowner Site Management Requirement	ents:	
I, the Landowner, I have received a DEQ Bioson governing the land application of biosolids, the		

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to

protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

 Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.

b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosofs;

c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

 a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.

b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,

c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.

d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;

e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
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 residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
 nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
 Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land
 for three years following the application of biosolids or industrial residuals which bear cadmium equal to or
 exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

1-26-15

Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D. MUNICIPAL FEELUENT AND BIOSOLIDS

F	DRIVID: WUNICIPAL E	FFLUENT AND BIOSC	JLIDS
PART D-VI: LAND APP	LICATION AGREEMENT	- BIOSOLIDS AND IND	USTRIAL RESIDUALS
"Landowner", and Synagro, terminated in writing by eith event of a sale of one or mo	referred to here as the "Per er party or, with respect to to bre parcels, until ownership changes, those parcels for	mittee". This agreement re hose parcels that are retain of all parcels changes. If ov which ownership has chang	
Landowner: The Landowner is the owne the agricultural, silvicultural attached as Exhibit A.	er of record of the real prope or reclamation sites identifie	rty located in <u>Alelsow</u> ed below in Table 1 and ide	O. Virginia, which includes ntified on the tax map(s)
Table 1.: Parcels auti	norized to receive biosolids,	water treatment residuals of	or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
81-A-26A			
☐ Additional parcels containing Lan-	10.000000000000000000000000000000000000		
In the event that the Landowithin 38 months of the late 1. Notify the purchase later than the date 2. Notify the Permittee The Landowner has no other notify the Permittee immedifor application or any part of incorrect.	est date of biosolids applicate or transferee of the applicate of the property transfer; and e of the sale within two weeker agreements for land applicately if conditions change sof this agreement becomes in	ple owners of the properties part of the property to which ion, the Landowner shall: able public access and cropes following property transferication on the fields identified that the fields are no long the information here.	s identified herein. h biosolids have been applied management restrictions no er. ed herein. The Landowner will nger available to the Permittee rein contained becomes
	above and in Exhibit A. The ntified above, before, during	Landowner also grants per or after land application of	rmission for DEQ staff to conduct permitted residuals for the
Class B biosolids Wate X Yes □ No X Ye		ood processing waste Yes □ No	Other industrial sludges X Yes □ No
MINOT Wilcox	Mai his	2256	
by the VPA Permit Regulation each land application field by a The Permittee agrees to notify specifically prior to any particular X I reviewed the document(s)	s to apply biosolids and/or indu and in amounts not to exceed a person certified in accordance the Landowner or the Landown lar application to the Landowne	estrial residuals on the Landow the rates identified in the nutrie with §10.1-104.2 of the Code ner's designee of the proposed er's land. Notice shall include the person signing for landow not check this box if the landowner	d schedule for land application and the source of residuals to be applied. oner above. I will make a copy of this signs this agreement)
		1 10	647 Tidowater Trail

Rev 9/14/2012

Steve mcMa

Signature

Permittee – Authorized Representative Printed Name Champlain, VA 22438

Permittee: Synagro	County or City:	Nelson Co.	
Landowner: Minor Wilcox			

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

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- a. Meat producing livestock shall not be grazed for 30 days,
- Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
 residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
 nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
 Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Mandowner's Signature Date

Page 2 of 2

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

event of a sale of one or midentified in this agreement	reement is made on 10/15, referred to here as the "Penther party or, with respect to the nore parcels, until ownership of the changes, those parcels for with the residuals under this agreement.	12 between *** bet	y the Landowner in the ship of individual parcels
Landowner: The Landowner is the own the agricultural, silvicultura attached as Exhibit A.	ner of record of the real propert al or reclamation sites identified	y located in <i>Nelson &</i> . I below in Table 1 and identifie	, Virginia, which includes ed on the tax map(s)
Table 1.: Parcels au	thorized to receive biosolids, v	vater treatment residuals or of	her industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	<u>Tax Parcel ID</u>
82-A-13	82-A-13A		
	nd Application Sites are identified on S		
 Notify the Permitted The Landowner has no other notify the Permittee immediate for application or any participation or any participation. The Landowner hereby grangicultural sites identified. 	of the property transfer; and see of the sale within two weeks her agreements for land applica- diately if conditions change suc of this agreement becomes invents ants permission to the Permitte above and in Exhibit A. The L	ation on the fields identified he ch that the fields are no longer valid or the information herein see to land apply residuals as s andowner also grants permiss	available to the Permittee contained becomes pecified below, on the sion for DEQ staff to conduct
purpose of determining con	entified above, before, during o mpliance with regulatory requir		
		od processing waste Othe	er industrial sludges
Class B biosolids Wat X Yes ☐ No X Ye		Yes I No X Y	
X Yes No X Ye	nerville Family Trus		
X Yes No X Yes Mary Cabel Summ Landowner - Printed Name, Tit Swan Cr Permittee: Synagro, the Permittee, agree by the VPA Permit Regulation	signature reek Farm, LLC es to apply biosolids and/or indust and in amounts not to exceed the	Yes	INO II 6 7 FISKE True PACIFIC PALCANS, g Address CA 90272 land in the manner authorized lanagement plan prepared for
XYes No XYe Ney Chbell Summ Landowner - Printed Name, Tit Swan Cr Permittee: Synagro, the Permittee, agree by the VPA Permit Regulation each land application field by The Permittee agrees to notify	es to apply biosolids and/or indust and in amounts not to exceed the a person certified in accordance of the Landowner or the Landowner	Yes □ No X You **Colculo Doon Sada Mailing rial residuals on the Landowner's erates identified in the nutrient movith \$10.1-104.2 of the Code of Ver's designee of the proposed sch	INO IL 6 + FISKE. The Packet Packets, and an on the manner authorized an agement plan prepared for irginia. edule for land application and
X Yes No X Yes New Cabel Summ Landowner - Printed Name, Tit Swan Cr Permittee: Synagro, the Permittee, agree by the VPA Permit Regulation each land application field by The Permittee agrees to notify specifically prior to any particular X I reviewed the document(s)	signature reek Farm, LLC es to apply biosolids and/or indust and in amounts not to exceed the a person certified in accordance v	Yes □ No X You **Colculation Mailing rial residuals on the Landowner's erates identified in the nutrient movith \$10.1-104.2 of the Code of Ver's designee of the proposed schools land. Notice shall include the some person sloning for landowner as	INO IL 6 + FISKE The Packets Packets CA 90272 I land in the manner authorized an agement plan prepared for irginia. edule for land application and ource of residuals to be applied.

Rev 9/14/2012

Permittee: Synagro	County or City: Nels	on Co
Landowner: Massy Orbell Summer	ville Fam. Trenst	
Swan Creek Far	m, LLC	

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field
as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land
application at that site is completed.

2. Public Access

 a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.

Public access to land with a low potential for public exposure shall be restricted for at least 30 days
following any application of biosolids. No biosolids amended soil shall be excavated or removed from
the site during this same period of time unless adequate provisions are made to prevent public
exposure to soil, dusts or aerosols;

c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

 Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.

b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,

c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.

d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;

 Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

a. Meat producing livestock shall not be grazed for 30 days,

- Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
 residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
 nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
 Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Chell Deers Suith Trus

Landowner's Signature

Rev 9/14/2012

10/15

Page 2 of 2

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application agree "Landowner", and Synagro, terminated in writing by either event of a sale of one or more identified in this agreement of to receive biosolids or industandowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	referred to here as the "Pener party or, with respect to the parcels, until ownership of thanges, those parcels for virial residuals under this agree of record of the real proper	between Ka mittee". This agreemen nose parcels that are ret of all parcels changes. I which ownership has cha eement.	Hylicen M. Medit remains in effer ained by the Lar of ownership of interest of the langed will no longed will no longed.	referred to here as ct until it is ndowner in the dividual parcels ger be authorized
Table 1.: Parcels auth	orized to receive biosolids,	water treatment residua	ls or other indus	trial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID]	ax Parcel ID
90-A-13A 90-A-19A				
Additional parcels containing Land	Application Sites are identified on	Supplement A (check if appli	cable)	
In the event that the Landow within 38 months of the lates 1. Notify the purchase later than the date of		ole owners of the proper part of the property to w on, the Landowner shall the public access and c	ties identified he hich biosolids ha : rop managemer	ave been applied
The Landowner has no othe notify the Permittee immedia for application or any part of incorrect.	ately if conditions change su	ich that the fields are no	longer available	to the Permittee
The Landowner hereby grar agricultural sites identified a inspections on the land iden purpose of determining com Class B biosolids X Yes □ No X Yes	bove and in Exhibit A. The fified above, before, during pliance with regulatory requ treatment residuals.	Landowner also grants or after land application	permission for D of permitted res such application. Other industr	EQ staff to conduct iduals for the
Kathleen M. Meduid	Lylla Mx	Eduid 36181	stel to Dain	Richmond 1a. 232
Landowner - Printed Name, Title	Signature	Caura 2010 1	Mailing Address	MCMMA-161250
Permittee: Synagro, the Permittee, agrees by the VPA Permit Regulation a each land application field by a The Permittee agrees to notify specifically prior to any particul X I reviewed the document(s) a document(s) available to DEQ:	and in amounts not to exceed to person certified in accordance the Landowner or the Landowner ar application to the Landowner ssigning signatory authority to	he rates identified in the n with §10.1-104.2 of the C ner's designee of the proper's land. Notice shall inclute the person signing for land	utrient manageme ode of Virginia. osed schedule for de the source of n downer above. I w	nt plan prepared for land application and esiduals to be applied. vill make a copy of this
Leaward Scott Permittee - Authorized Represen	LeonardSc	.4	10647 Tidewai Champlain, VA Mailing Address	ter Trail

Rev 9/14/2012

Page 1 of 2

Permittee: Synagro County or City: NE SON

Landowner: Kathleen M. Medwid et al

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

 Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.

Public access to land with a low potential for public exposure shall be restricted for at least 30 days
following any application of biosolids. No biosolids amended soil shall be excavated or removed from
the site during this same period of time unless adequate provisions are made to prevent public
exposure to soil, dusts or aerosols;

c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

Crop Restrictions:

- Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
- 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
 residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
 nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
 Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

2-5-15

Date

Rev 9/14/2012

Page 2 of 2

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application "Landowner", and Syna terminated in writing by event of a sale of one of identified in this agreen to receive biosolids or in	agreement i gro, referred either party r more parce nent changes	s made on 3. to here as the or, with respect ls, until owners those parcels	⊋o -I "Permittee".	between R is agreemen Is that are ret Is changes. I	A. Down A. Down A. Down Termains in effe ained by the Lar f ownership of ir	referred to here as ect until it is ndowner in the ndividual parcels
Landowner: The Landowner is the of the agricultural, silviculattached as Exhibit A.	wner of reco	rd of the real p	operty-located	in Nelcow Table 1 and	Virgini identified on the	a, which includes tax map(s)
Table 1.: Parcels	authorized t	o receive bioso	lids, water trea	tment residua	ls or other indus	strial sludges
Tax Parcel ID		Tax Parcel ID		ax Parcel ID		Tax Parcel ID
90-A-13						
Additional parcels containin	a Land Applicati	on Sites are identif	ied on Supplement	A (check if appli	cable)	
 Notify the Perr The Landowner has notify the Permittee im for application or any p 	haser or tran late of the pro nittee of the so other agree mediately if o	sferee of the ap operty transfer; sale within two ments for land conditions chan	oplicable public and weeks following application on t ge such that th	access and on access and on a property training the fields identified are not access to the fields are	orop manageme nsfer. tifled herein. Th n longer availabl	e Landowner will e to the Permittee
incorrect. The Landowner hereby agricultural sites identified inspections on the land purpose of determining	fied above ar I identified at I compliance	nd in Exhibit A. bove, before, du with regulatory	The Landownering or after la requirements	er also grants nd application applicable to	permission for l of permitted re- such application	DEQ staff to conduct siduals for the
to the state of th	X Yes	<u>ent residuals</u> No	X Yes	ssing waste □ No		trial sludges ☑ No
NATHAN A. DUNN	N	Lu 12	Rockel C.	-n	P. D. Box 287	3 Richmond, VA. 232
Landowner - Printed Nam	e, Title	Signature	Thomas L.	ALLUNA	Mailing Address	
Permittee: Synagro, the Permittee, a by the VPA Permit Reguleach land application fiel The Permittee agrees to specifically prior to any p	agrees to apply ation and in ard d by a person notify the Land	y biosolids and/o mounts not to ex- certified in accor downer or the La	ceed the rates id dance with §10.1 ndowner's design	entified in the n -104.2 of the C nee of the prop	utrient managem Code of Virginia. Osed schedule for	ent plan prepared for rand application and
X I reviewed the docume document(s) available to	nt(s) assigning	signatory autho	rity to the person	signing for lan	downer above. I	will make a copy of this
Leonard Scott Permittee - Authorized Re		Regnard Signature	Scott		10647 Tidewa Champlain, V	ater Trail A 22438

Rev 9/14/2012

Printed Name

Permittee: Synagro	**	_County or City:	Nelson	
Landowner: NATHAN A. Dunn	RachelC	. Dunn		

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

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2. Public Access

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b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;

c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

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e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

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Following biosolids application to pasture or hayland sites:

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- Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6 Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Nathan A. Dema	Rochel C. Dunn	3-20-15
Landowner's Signature		Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application agre "Landowner", and <u>Synagro</u> , terminated in writing by eithe event of a sale of one or mo identified in this agreement of	referred to here as the "Perm er party or, with respect to the re parcels, until ownership of	between <u>Jacob</u> ittee". This agreement remove parcels that are retained all parcels changes. If own hich ownership has changed	Aire of the land owner in the
Landowner: The Landowner is the owne the agricultural attached as Exhibit A.	r of record of the real propert or reclamation sites identified	y located in <u>NEISOI</u> below in Table 1 and identi	<u>Ů</u> , Virginia, which includes ifled on the tax map(s)
Table 1.: Parcels auth	norized to receive biosolids, w	ater treatment residuals or	other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
90-A-21			
☐ Additional parcels containing Land Check one: ☐ The	I Application Sites are identified on S		
later than the date of 2. Notify the Permittee The Landowner has no other notify the Permittee immediate.	r or transferee of the applicat of the property transfer; and e of the sale within two weeks er agreements for land applic ately if conditions change suc f this agreement becomes in	following property transfer. ation on the fields identified that the fields are no long	herein. The Landowner will per available to the Permittee
agricultural sites identified a inspections on the land ider purpose of determining con	ntified above, before, during on pliance with regulatory required treatment residuals.	andowner also grants permor after land application of perments applicable to such add processing waste	nission for DEQ staff to conduct ermitted residuals for the
Dungla s by lls Ch Landowner - Printed Name, Title	uner Sould 16	will wis	Welk All G7742
by the VPA Permit Regulation	s to apply biosolids and/or indus	trial residuals on the Landowne	er's land in the manner authorized it management plan prepared for of Virginia.
			schedule for land application and e source of residuals to be applied.
	assigning signatory authority to for review upon request. (Do no		er above. I will make a copy of this gns this agreement)
Leonard Scott	RemarlSo	chai	47 Tidewater Trail mplain, VA 22438
Permittee – Authorized Represe Printed Name		Ma	alling Address

Rev 9/14/2012

. armittee: Synagro	County or City:_	NEISON
Landowner: Dorale Aprils	Patricia a. Willia	
Landowner Site Management Requirem	ante:	

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

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the site during this same period of time unless adequate provisions are made to prevent public
exposure to soil, dusts or aerosols;

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d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;

 Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livesiook Access Resinctions:

na a innan

Following biosolids application to pasture or hayland sites:

- Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial reciduals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land
 for three years following the application of biosolids or industrial residuals which bear cadmium equal to or
 exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Donaho a loude	Patrois a Willis	1-29-15
Landowner's Signature		Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application a	PLICATION AGREEMENT	between DalaC	Libral Preferred to here as
terminated in writing by el event of a sale of one or r identified in this agreeme	o, referred to here as the "Perm ther party or, with respect to the nore parcels, until ownership of nt changes, those parcels for w ustrial residuals under this agre	òse parcels that are retaine Fall parcels changes. If ow hich ownership has change	d by the Landowner in the nership of individual parcels
Landowner: The Landowner is the ow the agricultural, silviculturaltached as Exhibit A.	ner of record of the real propert al or reclamation sites identified	y located in <u>NELSON</u> I below in Table 1 and ident	, Virginia, which includes lifled on the fax map(s)
Table 1.: Parcels a	uthorized to receive biosolids, v	vater treatment residuals or	other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
90-A-19	90-A-90		
	ļ		
Check one:	and Application Sites are identified on The Landowner is the sole owner The Landowner is one of multip	er of the properties identified	d herein.
within 38 months of the later than the dat 2. Notify the Permit	lowner sells or transfers all or patest date of biosolids application ser or transferee of the applicate of the property transfer; and the of the sale within two weeks ther agreements for land applications.	on, the Landowner shall: ble public access and crop is following property transfer	management restrictions no
notify the Permittee imme	ediately if conditions change sur t of this agreement becomes in	ch that the fields are no long	ger available to the Permittee
agricultural sites identified inspections on the land id	rants permission to the Permitt d above and in Exhibit A. The l ientified above, before, during o ompliance with regulatory requi	andowner also grants perror after land application of p	nission for DEQ staff to conduct ermitted residuals for the
Didde Distriction Til	ater treatment residuals For Yes □ No X	TOW PRODUCE IN THE PROPERTY OF	Other industrial sludges (Yes
ATES LING A	1 1 0 1/1	1	2459
Landowner - Printed Name,	Tille Signature	13485 Nem	Word Kd Werging Un- ailling: Address
by the VPA Permit Regulation	ees to apply biosolids and/or indus on and in amounts not to exceed the y a person certified in accordance	ne rates identified in the nutrier	er's land in the manner authorized nt management plan prepared for of Virginia.
	ify the Landowner or the Landown cular application to the Landowner		schedule for land application and source of residuals to be applied.
	s) assigning signatory authority to EQ for review upon request. (Do no		ner above. I will make a copy of this igns this agreement)
Leoward Scott	Lunar Death		47 Tidewater Trail Implain, VA 22438

Rev 9/14/2012

Printed - Authorized Representative Printed Name

Signature

. Page 1 of 2

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

FO	KIVI D: IVIUNICIPAL EFI	LUENT AND BIO	SOLIDS	
ART D-VI: LAND APPLI	CATION AGREEMENT -	BIOSOLIDS AND IN	IDUSTRIAL RESIDI	JALS
A. This land application agree "Landowner", and Synagro, reterminated in writing by either event of a sale of one or more identified in this agreement of to receive biosolids or industrial.	party or, with respect to the parcels, until ownership of panges, those parcels for wh	se parcels that are reta all parcels changes. If ich ownership has cha	ined by the Landowne ownership of individua	er in the al parcels
Landowner: The Landowner is the owner the agricultural, silvicultural or attached as Exhibit A.	of record of the real property reclamation sites identified	located in <u>NELSO</u> below in Table 1 and id	V, Virginia, whic dentified on the tax ma	
Table 1.: Parcels author	rized to receive biosolids, w	ater treatment residuals	s or other industrial slu	idges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Par	celID
90-A18				
In the event that the Landowr within 38 months of the latest 1. Notify the purchaser later than the date of	Landowner is the sole owner Landowner is one of multiple ner sells or transfers all or part date of biosolids application or transferee of the applicab the property transfer; and of the sale within two weeks agreements for land applicately if conditions change such	of the properties ident owners of the propert of the property to what, the Landowner shall: the public access and craft following property trans- tion on the fields idention that the fields are no	tified herein. ies identified herein. nich biosolids have bee rop management restri sfer. ified herein. The Lando longer available to the	owner will Permittee
The Landowner hereby grant agricultural sites identified ab inspections on the land identified purpose of determining compurpose of determining computations of the land identification of the land identification of the land identification of the land identified by the land id	ove and in Exhibit A. The La fied above, before, during or liance with regulatory requir	andowner also grants prafter land application aments applicable to so od processing waste	permission for DEQ sta of permitted residuals	aff to conduct for the
Vancy H. Wood , Od Landowner - Printed Name, Title	uner Mancy H.	Wood 1334	49 Norwood Rd. Mailing Address	Wingina,
Permittee: Synagro, the Permittee, agrees by the VPA Permit Regulation are each land application field by a particular The Permittee agrees to notify the specifically prior to any particular X I reviewed the document(s) as	nd in amounts not to exceed the person certified in accordance v he Landowner or the Landowner's r application to the Landowner's	e rates identified in the nu with §10.1-104.2 of the Co r's designee of the propo s land. Notice shall include the person signing for land	trient management plan ode of Virginia. sed schedule for land ap de the source of residuals lowner above. I will mak	prepared for plication and s to be applied.

Rev 9/14/2012

Permittee - Authorized Representative

Printed Name

Signature

Page 1 of 2

10647 Tidewater Trail Champlain, VA 22438

rmittee: Synagro	County or City:_	Nelson	County
Landowner: Mancy 14-1	Wood		1

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

 Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.

b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;

c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

Crop Restrictions:

 Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.

b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,

c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.

d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;

 Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
 residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
 nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
 Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Mancey H- USOVA Landowney's Signature Feb. 2, 2015

Page 2 of 2

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application ag "Landowner", and <u>Synagro</u> terminated in writing by eit event of a sale of one or m identified in this agreemen to receive biosolids or indu Landowner:	t changes, those parcels for wastrial residuals under this agree	between	Y L. Dunkerbried to here as remains in effect until it is ined by the Landowner in the ownership of individual parcels aged will no longer be authorized
the agricultural, silvicultura attached as Exhibit A.	er of record of the real propert of or reclamation sites identified	below in Table 1 and id	lentified on the tax map(s)
Table 1.2 Parcels au	thorized to receive biosolids, v	vater treatment residuals	s or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
90-A-7C			
Additional parcels containing I a	nd Application Sites are identified on §	Supplement A (check if applica	ible
In the event that the Landowithin 38 months of the late 1. Notify the purchas later than the date 2. Notify the Permitte	est date of biosolids application er or transferee of the application of the property transfer; and see of the sale within two weeks the agreements for land application.	e owners of the properti art of the property to wh n, the Landowner shall: ble public access and cro following property trans ation on the fields identif	es identified herein. ich biosolids have been applied op management restrictions no
incorrect. The Landowner hereby graggicultural sites identified inspections on the land identified purpose of determining co	entified above, before, during ompliance with regulatory requirer treatment residuals	ee to land apply residual andowner also grants p r after land application or rements applicable to su od processing waste	s as specified below, on the ermission for DEQ staff to conduct of permitted residuals for the application. Other industrial sludges
X Yes No X Y Jil Li Dunini Landowner - Printed Name, Til	re Trustee Sil	Junuice	XYes No 2528 Union Hill T Malling Address Winging, V
by the VPA Permit Regulation		e rates identified in the nut	wher's land in the manner authorized rient management plan prepared for de of <u>Virginia</u> .
			ed schedule for land application and e the source of residuals to be applied.
	assigning signatory authority to t of for review upon request. (Do not	check this box if the landown	
Lcowar OScott Permittee - Authorized Repres		-	0647 Tidewater Trail hamplain, VA 22438 Mailing Address
Printed Nam	е		1 5

Rev 9/14/2012

Permittee: Synagro	County or City:	NELSON	
Landowner: Jill L. DU	inmire,	+	
	Trustee		

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

Notification Signs: I will not remove any signs posted by the Permittee for the purpose of Identifying my field
as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land
application at that site is completed.

2. Public Access

- Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- Food crops with harvested parts below the surface of the land shall not be harvested for 20 months
 after the application of biosolids when the biosolids remain on the land surface for a time period of
- four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
 residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
 nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
 Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature Toucher

Date

2-2-15

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application agre "Landowner", and <u>Svnagro</u> , terminated in writing by eith event of a sale of one or mo identified in this agreement	eement is made on	nittee". This agreemed ose parcels that are referred fall parcels changes. Thich ownership has ch	HA SAU Mathemating Air tained by the If ownership	WERS referred to her referred to her was all the lit is e Landowner in the of individual parce	ls
Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	er of record of the real proper or reclamation sites identifie	ty located in <u>NEL</u> d below in Table 1 and	SOW_V I identified or	irginia, which includ n the tax map(s)	les
Table 1.: Parcels aut	horized to receive biosolids,	water treatment residu	als or other	industrial sludges	
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID		Tax Parcel ID	
65-A-101					
☐ Additional parcels containing Lan	d Application Sites are identified on	Supplement A (check if app	licable)		
within 38 months of the late 1. Notify the purchase later than the date 2. Notify the Permittee The Landowner has no oth notify the Permittee immed for application or any part of incorrect. The Landowner hereby gra agricultural sites identified a inspections on the land ide	wner sells or transfers all or est date of biosolids application of the property transfer, and e of the sale within two week er agreements for land applicately if conditions change sure of this agreement becomes in this agreement becomes in this permission to the Permit above and in Exhibit A. The ntified above, before, during	on, the Landowner shable public access and ble public access and street following property traction on the fields ide ch that the fields are revalid or the information tee to land apply residuandowner also grants or after land application	all: crop managensfer. ntified herein no longer avan herein con uals as speces permission n of permitte	n. The Landowner validable to the Permittained becomes iffied below, on the for DEQ staff to coed residuals for the	no vill ttee
Class B biosolids Water		ood processing waste	Other in	ndustrial sludges	
JOHN SAUNCE	28 No MIS	Yes □ No	X Yes Silver	CREEK RODO	Tran
by the VPA Permit Regulation	es to apply biosolids and/or indu	strial residuals on the La he rates identified in the	nutrient mana	idress Id in the manner authors Id in the	V _A
The Permittee agrees to notify	a person certified in accordance / the Landowner or the Landown / that application to the Landowne	ner's designee of the pro	posed schedu	le for land application	and applied.
	assigning signatory authority to tor review upon request. (Do n				of this
Leodar D Scott	Rienau I I rat	+	Champlai	dewater Trail n, VA 22438	-
Permittee – Authorized Represe Printed Name			Mailing Ad	ddress	

Rev 9/14/2012

and	owner: How I - Owner
	Houf J- Soll Iowner Site Management Requirements:
, the	Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations roing the land application of biosolids, the components of biosolids and proper handling and land application of
restri	e also been expressly advised by the Permittee that the site management requirements and site access ctions identified below must be complied with after biosolids have been applied on my property in order to ct public health, and that I am responsible for the implementation of these practices.
	ee to implement the following site management practices at each site under my ownership following the land cation of biosolids at the site:
1.	Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2.	 Public Access a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids. b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols; c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3.	 Crop Restrictions: a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4.	Livestock Access Restrictions: Following biosolids application to pasture or hayland sites: a. Meat producing livestock shall not be grazed for 30 days, b. Lactating dairy animals shall not be grazed for a minimum of 60 days. c. Other animals shall be restricted from grazing for 30 days;
5.	Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6.	Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's larger three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

TAX ID LANDOWNER IDENTIFICATION SHEET

andowner	Field Number	Tax ID
Minor Wilcox	06-02	81-A-26A
Minor Wilcox	06-03	81-A-26A
Minor Wilcox	06-04	81-A-26A
Minor Wilcox	06-05	81-A-26A
Minor Wilcox	06-06	81-A-26A
Minor Wilcox	06-07	81-A-26A
Minor Wilcox	06-08	81-A-26A
Swan Creek Farm LLC	06-09	82-A-13
Swan Creek Farm LLC	06-10	82-A-13
Swan Creek Farm LLC	06-11	82-A-13
Swan Creek Farm LLC	06-12	82-A-13, 82-A-13A
Swan Creek Farm LLC	06-13	82-A-13
Thomas H & Emily V Fitzgerald	06-14	42-A-37A
Thomas H & Donna F. Fitzgerald	06-15	75-2-4
Thomas H Fitzgerald & Donna F.	06-16	42-A-14A
Nathan A & Rachel C Dunn	06-18	90-A-13
Donald J & Patricia A Willis	06-20	90-A-21
James A. Wood Sr.		90-A-19, 90-A-90
Kathleen M & Others Medwid	06-21	90-A-19A
Nancy H. Wood		90-A-18
Nancy H. Wood	06-22	90-A-18
Nancy H. Wood	06-23	90-A-18
Nancy H. Wood	06-24	90-A-18
Nancy H. Wood	06-25	90-A-18
Nancy H. Wood	06-26	90-A-18
Nancy H. Wood	06-27	90-A-18
Jill L, Dunmire	06-28	90-A-7C
John T & Ruth F Saunders	06-35	65-A-101
John T & Ruth F Saunders	06-36	65-A-101
John T & Ruth F Saunders	06-37	65-A-101

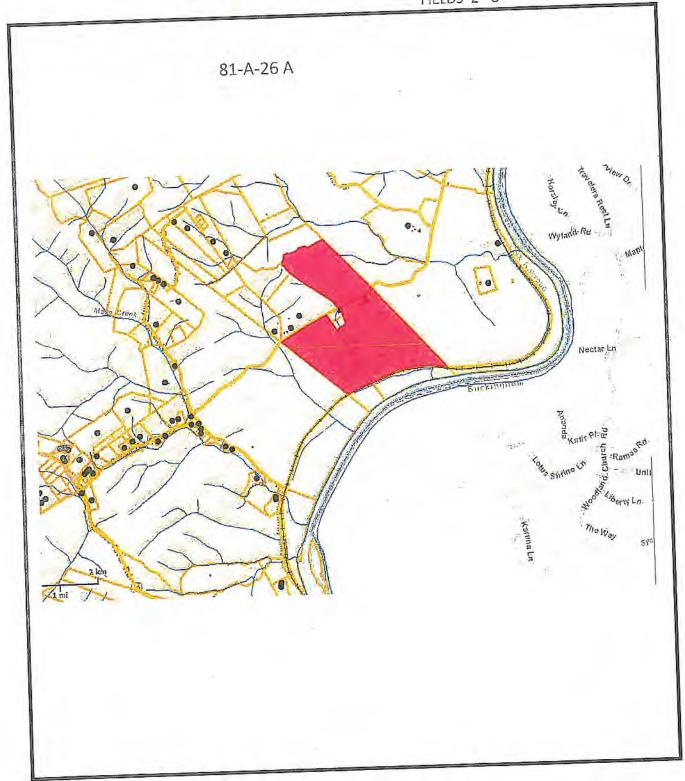
Field Number	Latitude (North)	Longitude (West)
06-02	37.678°	78.715°
06-03	37.674°	78.710°
06-04	37.677°	78.711°
06-05	37.678°	78.713°
06-06	37.680°	78.711°
06-07	37.681°	78.713°
06-08	37.677°	78.706°
06-09	37.690°	78.702°
06-10	37.688°	78.701°
06-11	37.681°	78.703°
06-12	37.682°	78.69 7 °
06-13	37.683°	78.691°
06-14	37.790°	79.000°
06-15	37.701°	78.977°
06-16	37.822°	78.991°
06-18	37.646°	78.717°
06-20	37.639°	78.719°
06-21	37.637°	78.725°
06-22	37.642°	78.731°
06-23	37.642°	78.733°
06-24	37.646°	78.733°
06-25	37.643°	78.737°
06-26	37.640°	78.735°
06-27	37.639°	78.736°
06-28	37.636°	78.743°
06-35	37.730°	78.972°
06-36	37.730°	78.975°
06-37	37.729°	78.977°

Haul Route:

The Location maps in conjunction with the above latitude and longitude coordinates are a route planning tool meant to be a guide to indicate suggested haul routes for various preferences: to include but not limited to all federal, state, and local granted STAA access routes.

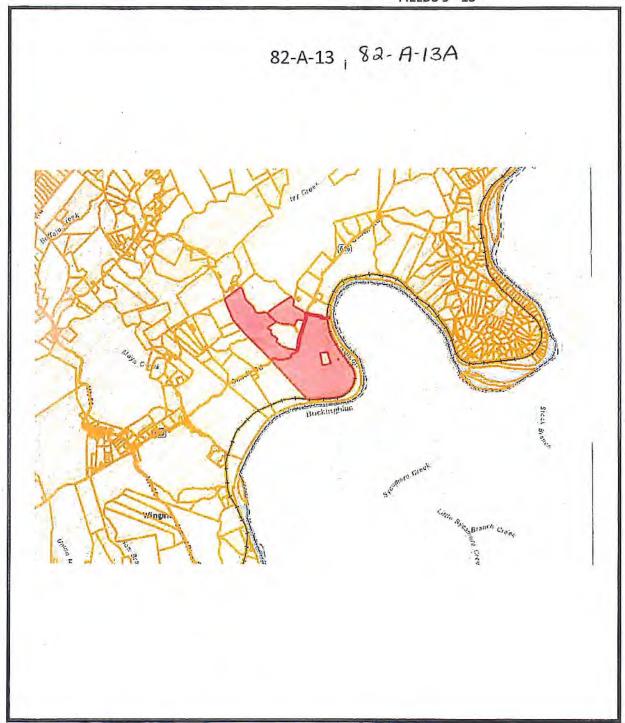


THOMAS H FITZGERALD NE 06 FIELDS 2 - 8





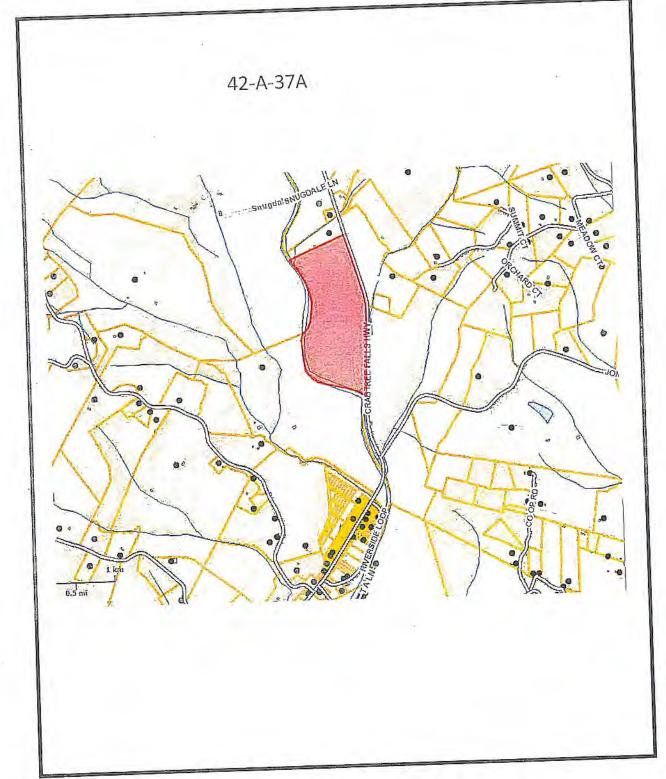
THOMAS H FITZGERALD NE 06 FIELDS 9 - 13



TAX MAP



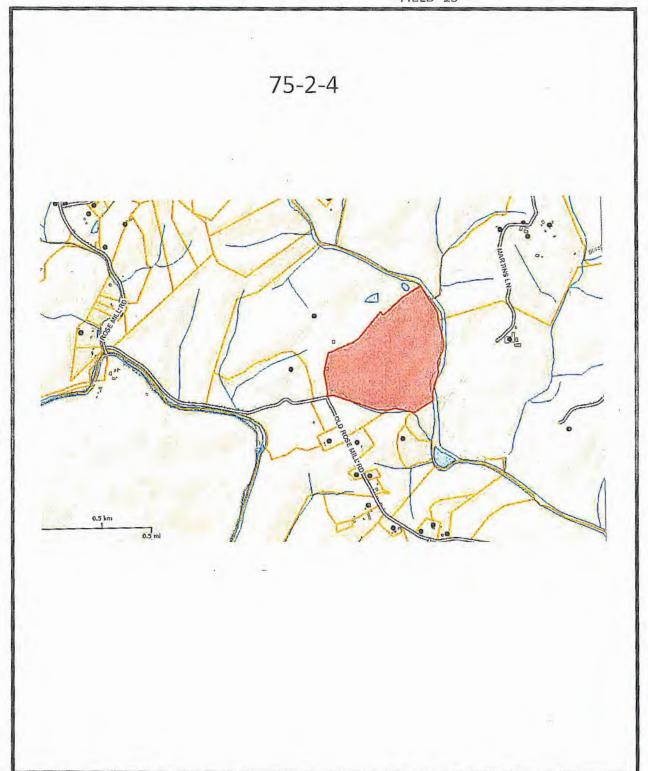
THOMAS H FITZGERA NE 06 FIELD 14







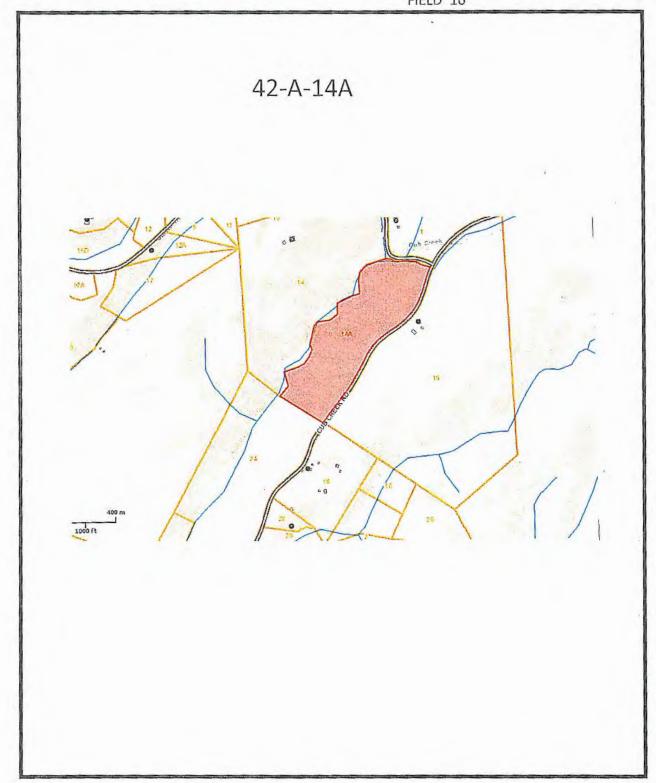
THOMAS H FITZGERALD NE 6 FIELD 15







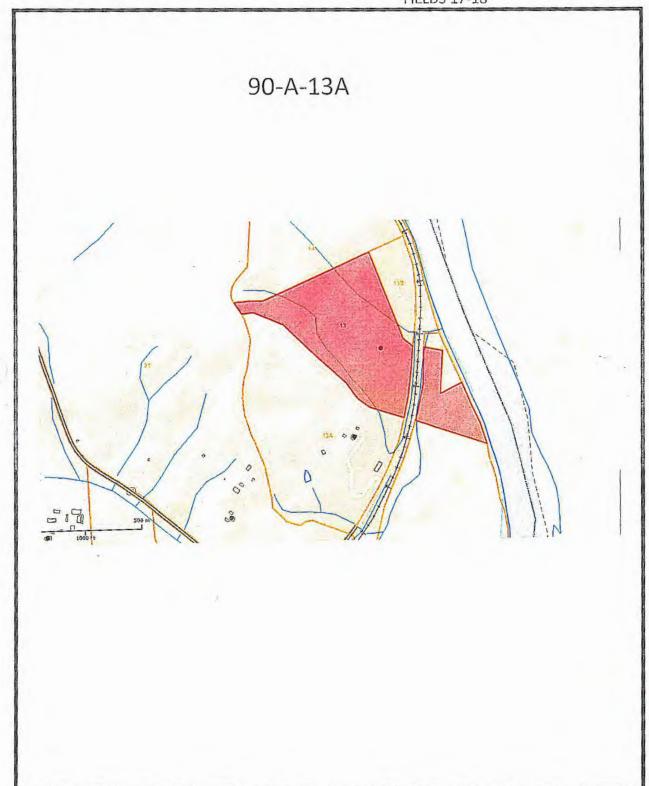
THOMAS H FITZGERALD NE 6 FIELD 16







THOMAS H FITZGERALD NE 6 FIELDS 17-18







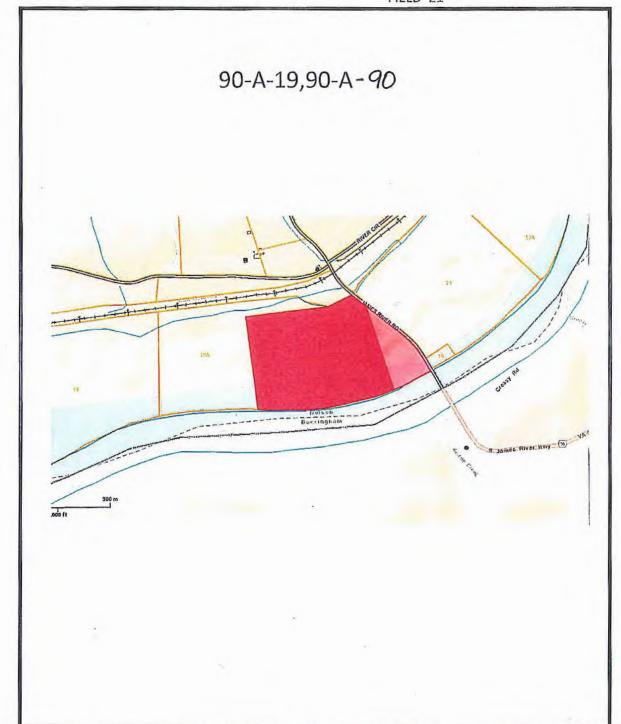
THOMAS H FITZGERALD NE 6 FIELD 20

90-A-21





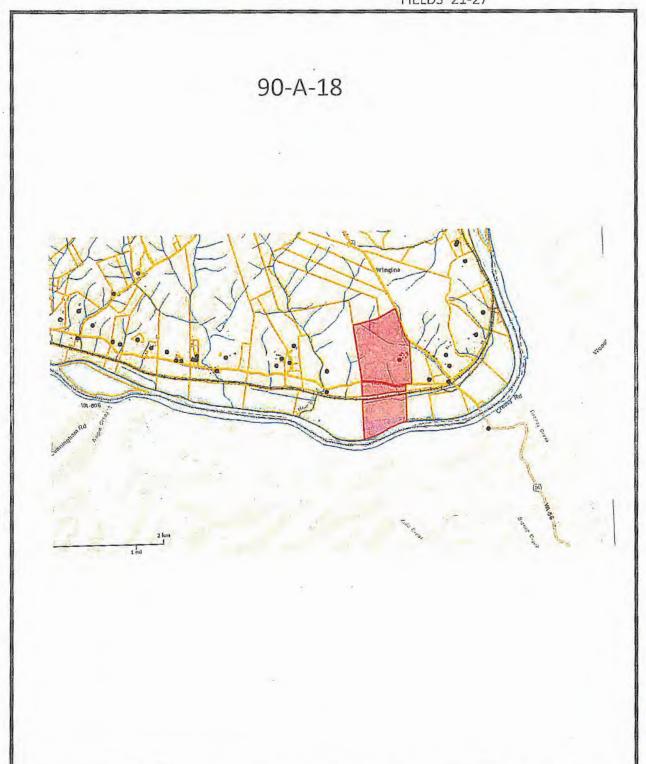
THOMAS H FITZGERALD NE 6 FIELD 21







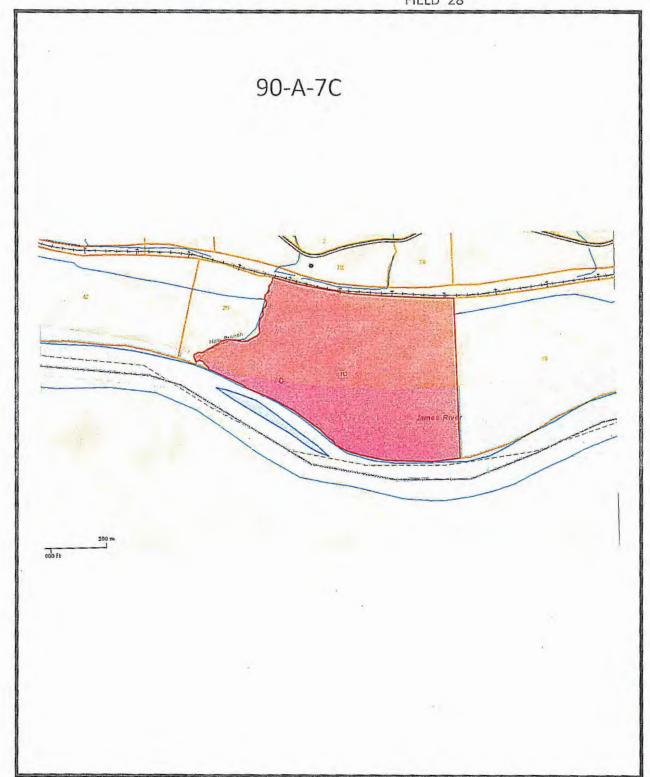
THOMAS H FITZGERALD NE 6 FIELDS 21-27







THOMAS H FITZGERALD NE 6 FIELD 28

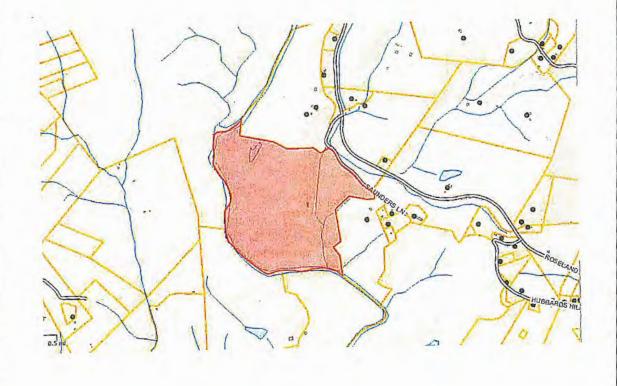






THOMAS H FITZGERALD NE 6 FIELDS 35-37

65-A-101





MAP LEGEND



House/Dwelling with a well -200' bufferdwelling (with conditions for reduction); 100' buffer-well



Rock Outcrop - 25'/ limestone 50'



Well - 100'



Lake/Pond — 35' w/vegetative buffer; 100' without vegetative buffer.



Slope which exceeds 15%



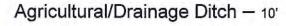
Non-application area — buffers such as streams, house, wells, etc.



Intermittent Stream - 35' w/vegetative buffer; 100' without vegetative buffer.



Stream/River - 35' w/vegetative buffer; 100' without vegetative buffer.





Field boundary



Property Line – (Standard 100' Buffer, unless waiver issued)

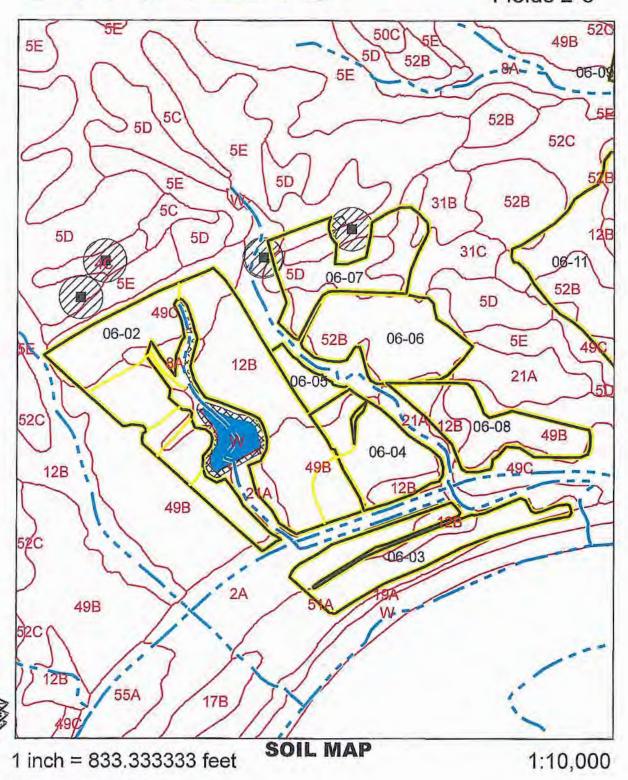


"PAS" – Publicly Accessible Site – Standard 200' buffer & possible 400' for odor sensitive receptors

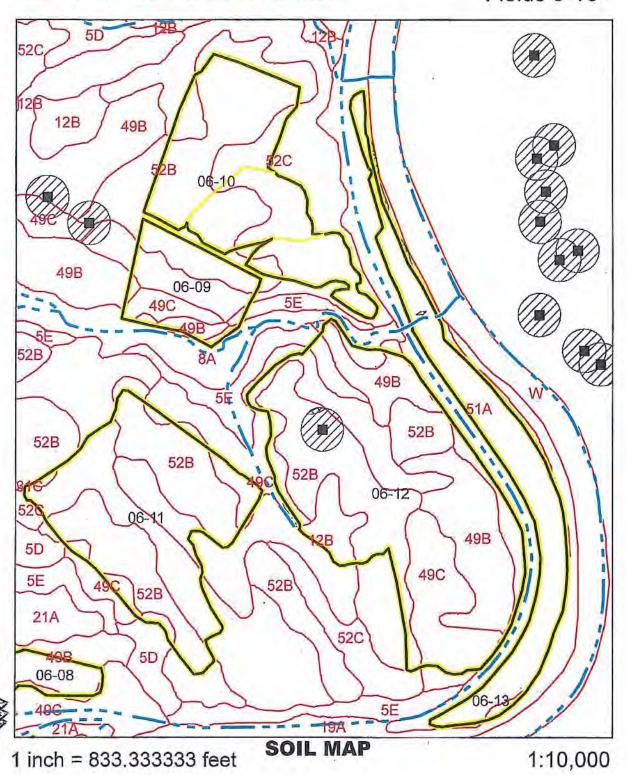
Revised: March 2016



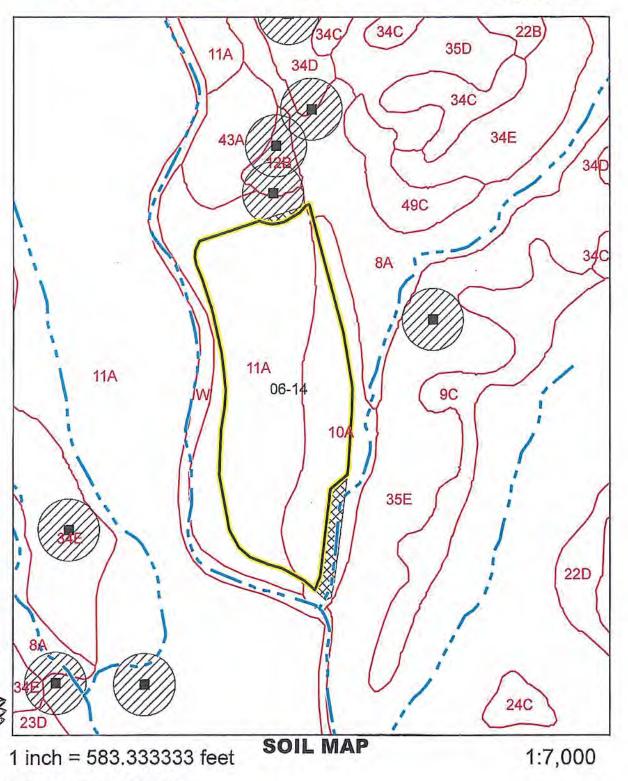
Thomas Fitzgerald NE 06 Fields 2-8



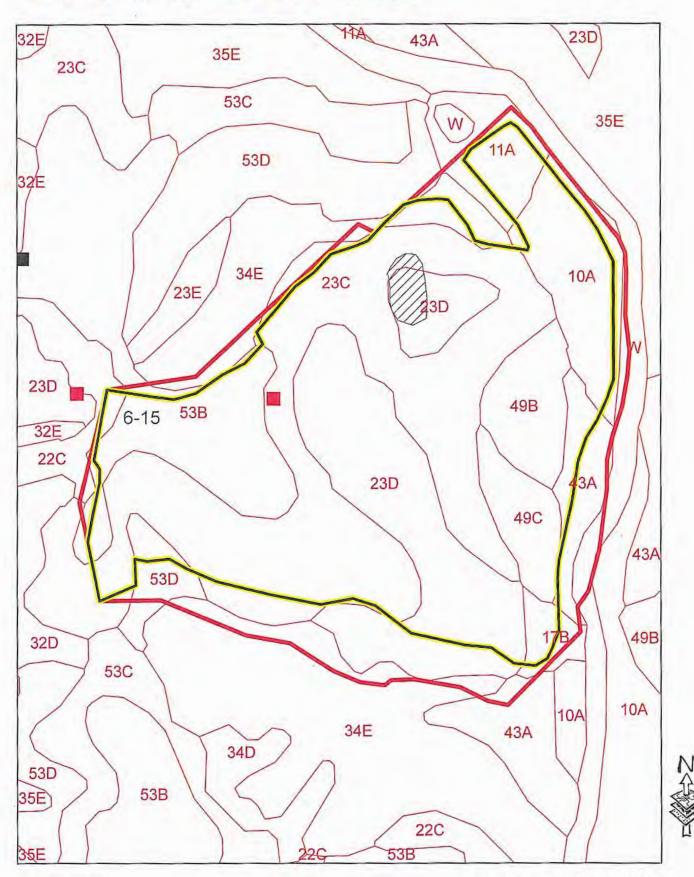
Thomas Fitzgerald NE 06 Fields 9-13



Thomas Fitzgerald NE 06 Fields 14



Thomas Fitzgerald NE 6 Field 15

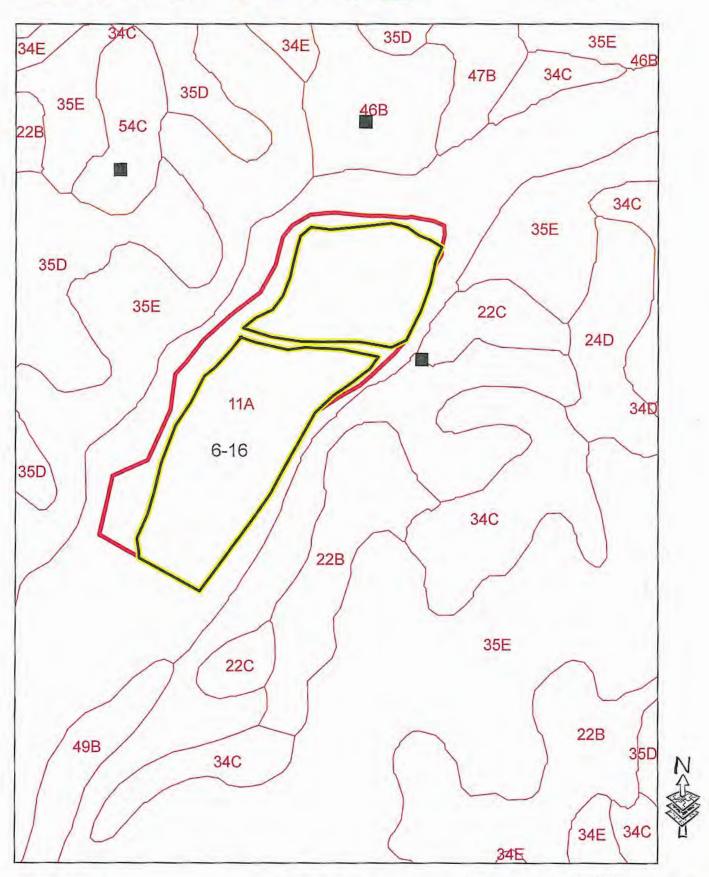


1:5,000

SOILS MAP

1 inch = 416.666667 feet

Thomas Fitzgerald NE 6 Field 16

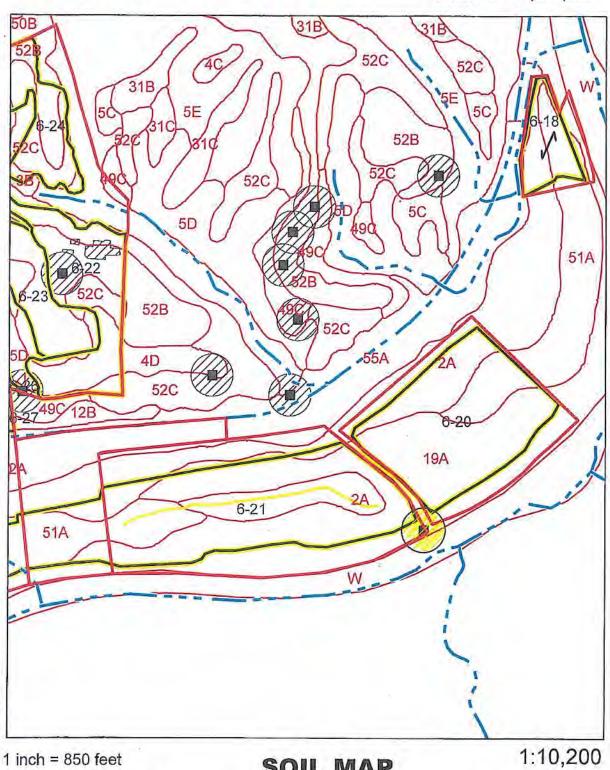


1:5,000

SOILS MAP

1 inch = 416.666667 feet

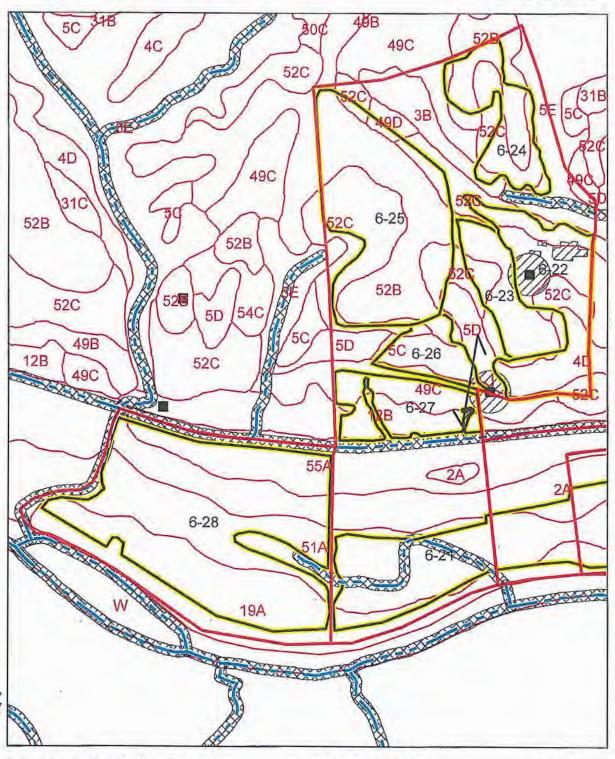
Thomas Fitzgerald **NE 06** Fields 18,20,21



REVISED 3/16/16

SOIL MAP

Thomas Fitzgerald NE 6 Fields 21-28



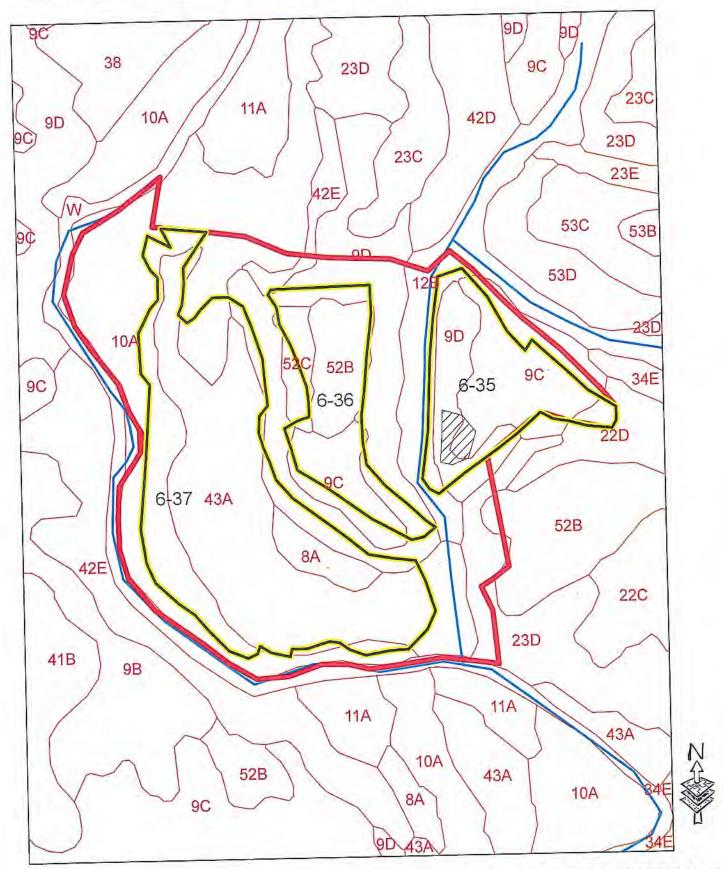
1 inch = 850 feet

SOIL MAP

1:10,200

REVISED 10/23/2015

Thomas Fitzgerald NE 6 Fields 35-37



1:7,000

SOILS MAP

1 inch = 583.333333 feet

Thomas Fitzgerald NE 06 Fields 2-8



Thomas Fitzgerald NE 06 Fields 9-13



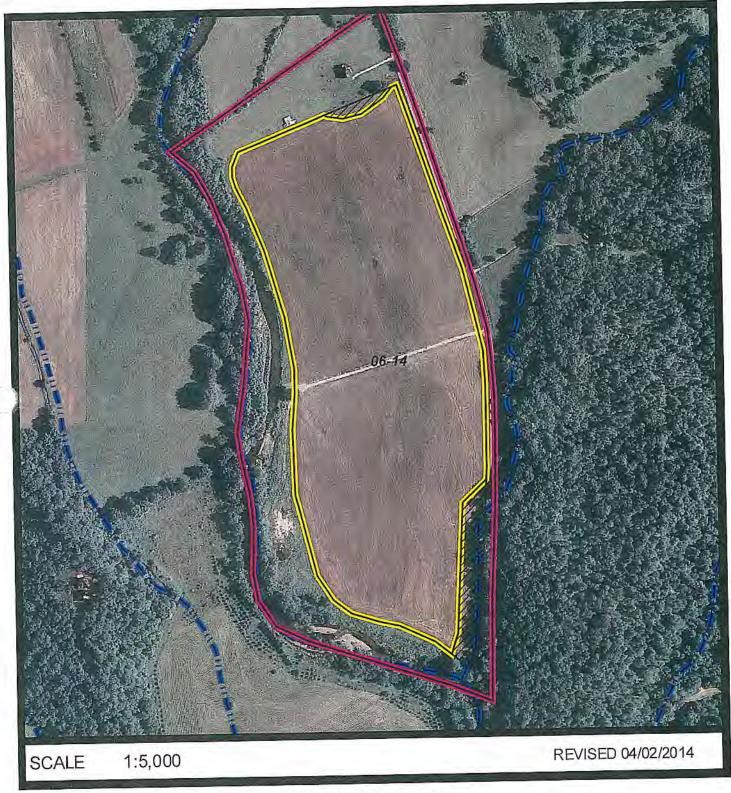
1 inch = 833.333333 feet

AERIAL MAP

1:10,000



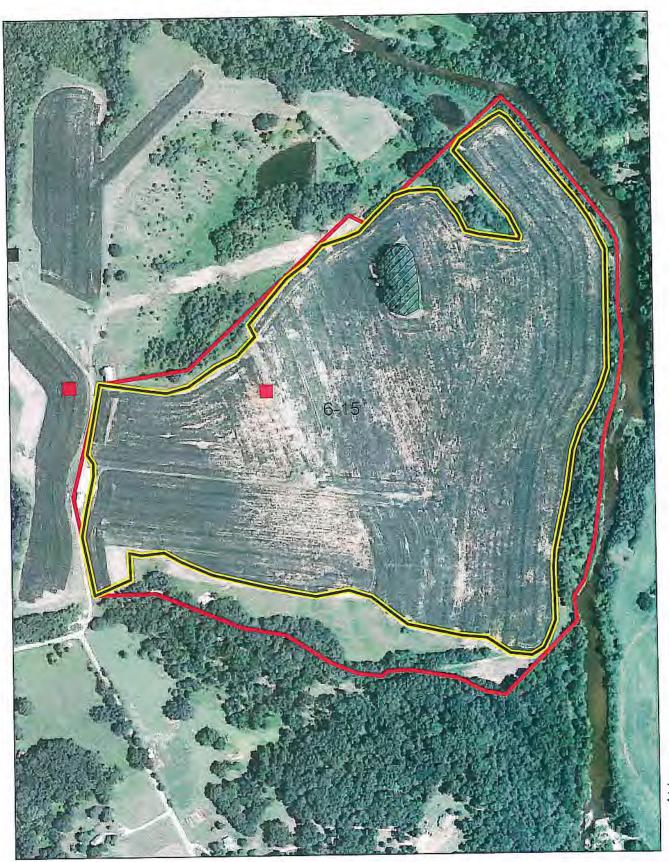
Thomas H. Fitzgerald NE06 Field 14



AERIAL MAP

N □

Thomas Fitzgerald NE 6 Field 15

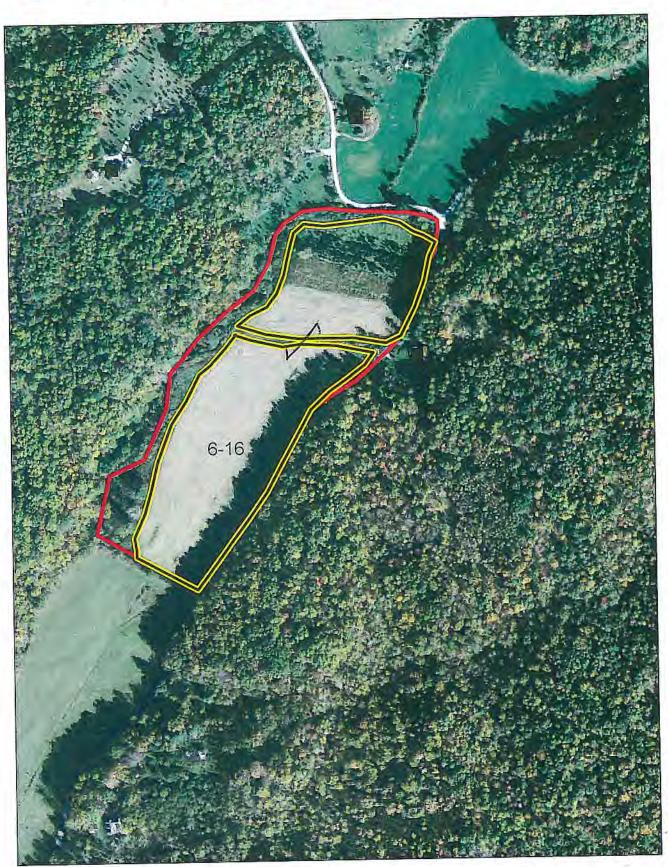




AERIAL MAP

1 inch = 416.666667 feet

Thomas Fitzgerald NE 6 Field 16





1 inch = 416.666667 feet

Thomas Fitzgerald NE 06 Fields 18,20,21





1 inch = 850 feet

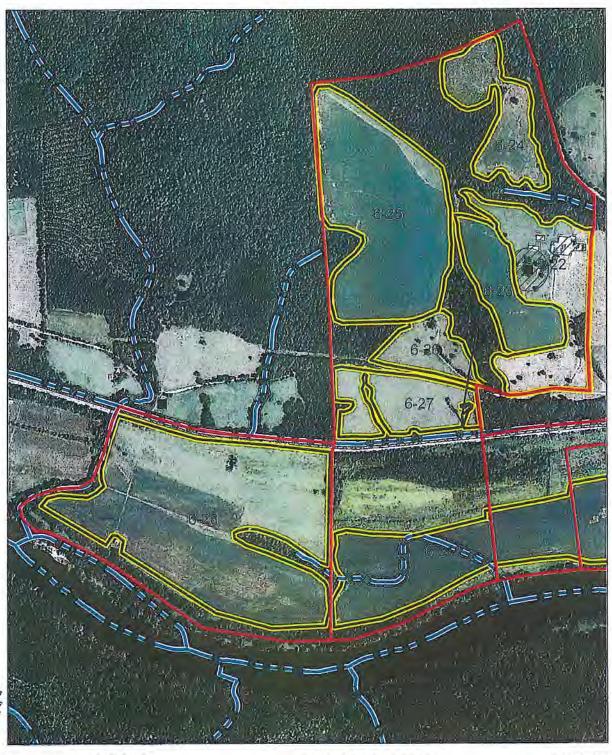
REVISED 3/16/16

. .

AERIAL MAP

1:10,200

Thomas Fitzgerald NE 6 Fields 21-28





1 inch = 850 feet

AERIAL MAP

1:10,200

REVISED 10/23/2015

Thomas Fitzgerald NE 6 Fields 35-37



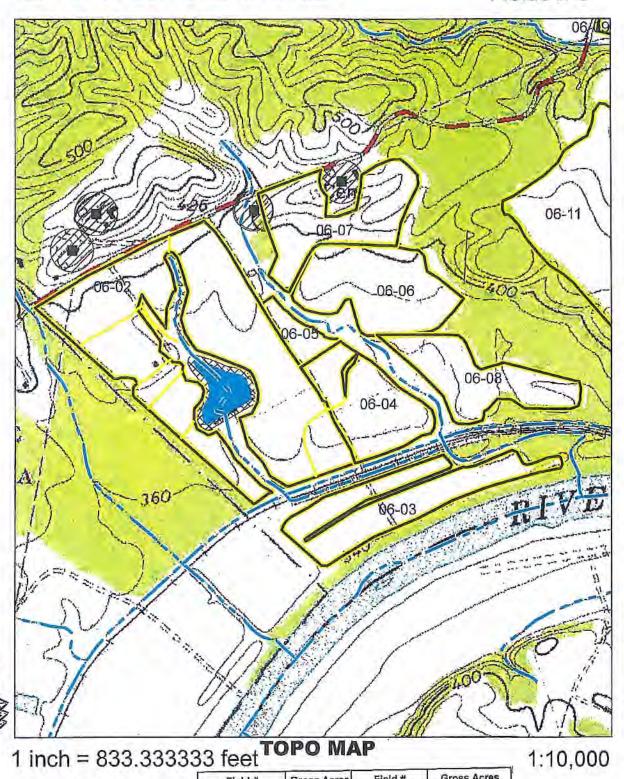


1:10,000

AERIAL MAP

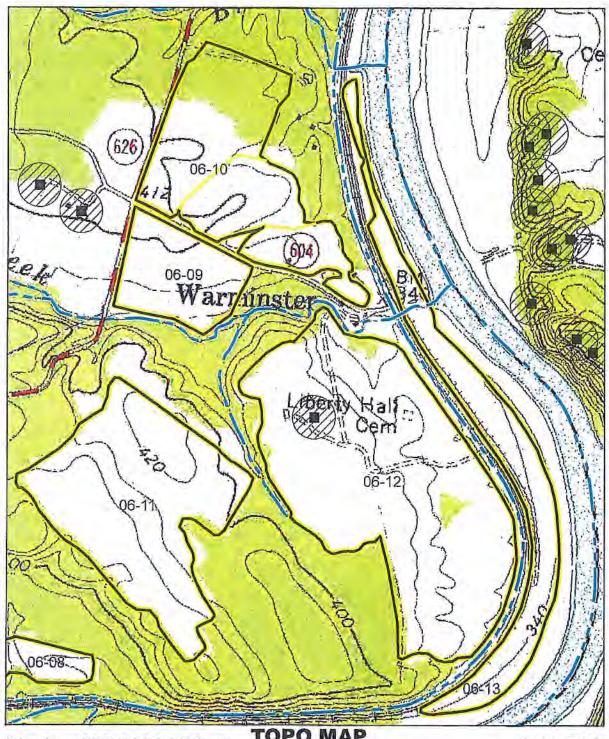
1 inch = 833.333333 feet

Thomas Fitzgerald NE 06 Fields 2-8



Field #	Gross Acres	Field#	Gross Acres
06-02	68.9	06-06	21,5
06-03	22.3	06-07	19.7
06-04	16.4	06-08	16.3
06-05	4.0		

Thomas Fitzgerald NE 06 Fields 9-13



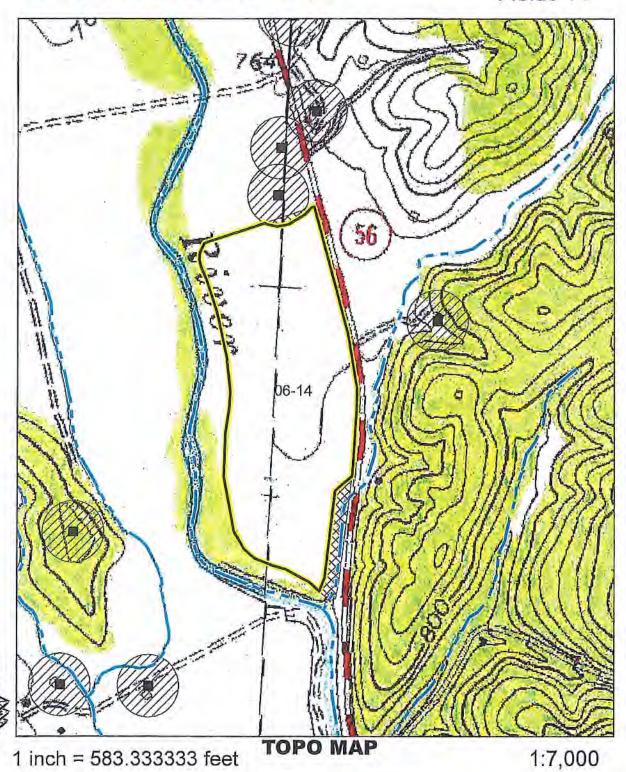
1 inch = 833.333333 feet

TOPO MAP

1:10,000

Field#	Gross Acres	Field#	Gross Acres
06-09	20.5	06-12	104.9
06-10	52.2	06-13	36.6
06-11	62.0		

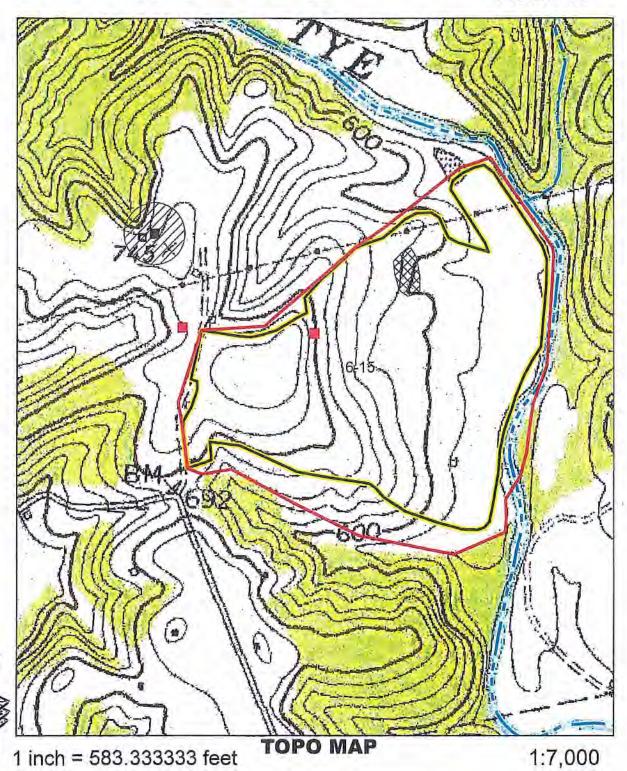
Thomas Fitzgerald NE 06 Fields 14



REVISED 2/24/16

Field # Gross Acres 06-14 39.4

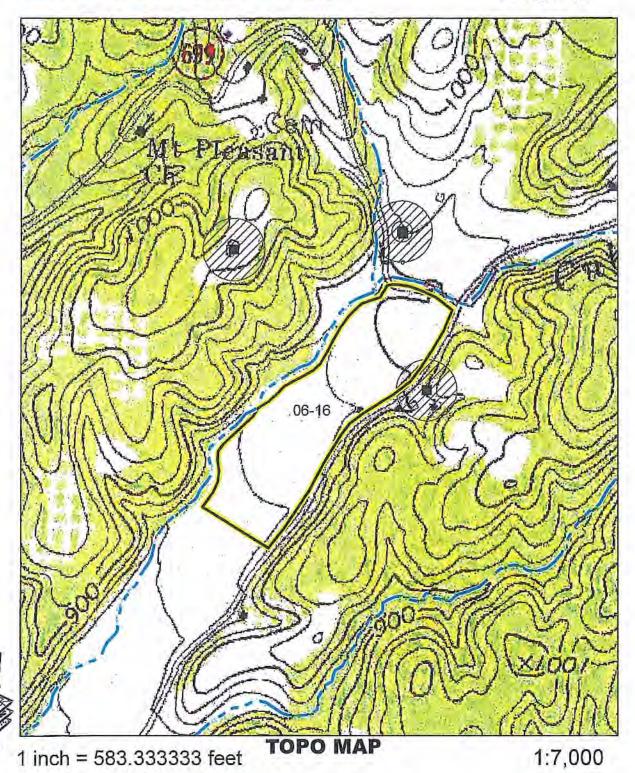
Thomas Fitzgerald NE 06 Fields 15



REVISED 2/24/16

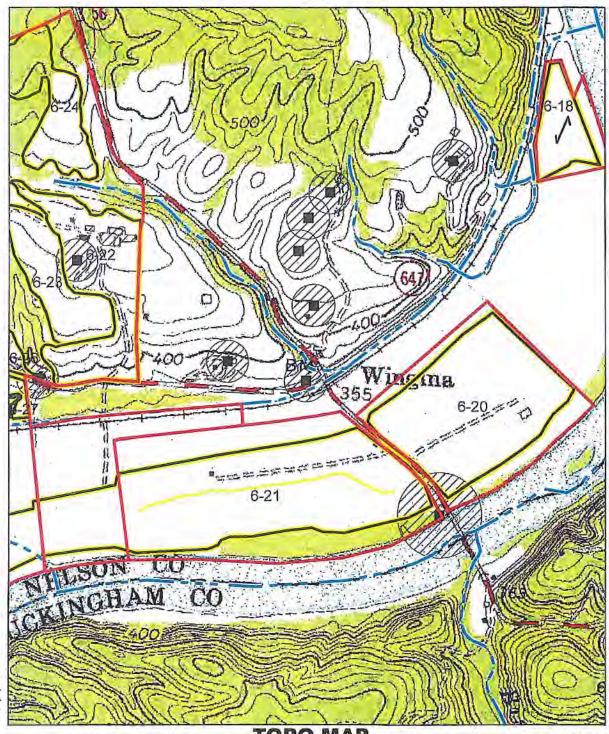
Field # Gross Acres 06-15 72.5

Thomas Fitzgerald NE 06 Fields 16



Field #	Gross Acres	
06-16	23.4	

Thomas Fitzgerald NE 06 Fields 18,20,21





1 inch = 850 feet

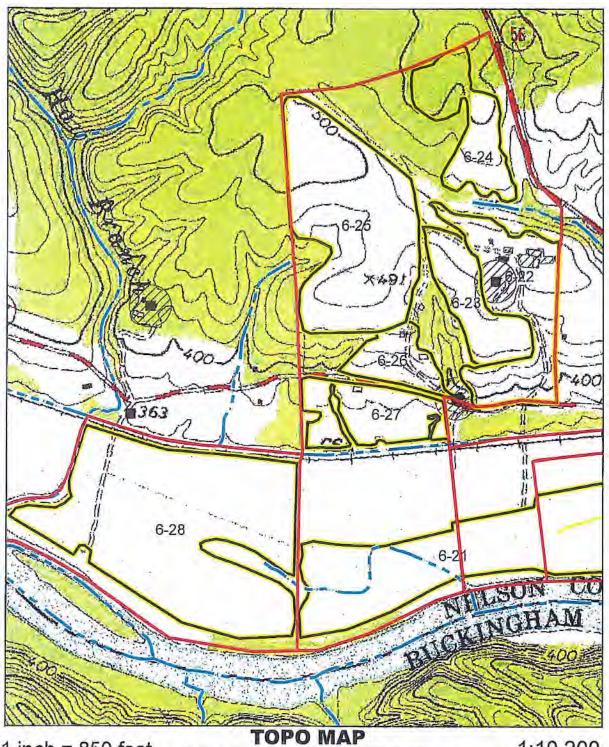
REVISED 2/24/16

TOPO MAP

Field#	Gross Acres	
06-18	8.5	
06-20	40.8	
06-21	85.0	

1:10,200

Thomas Fitzgerald NE 06 Fields 22-28





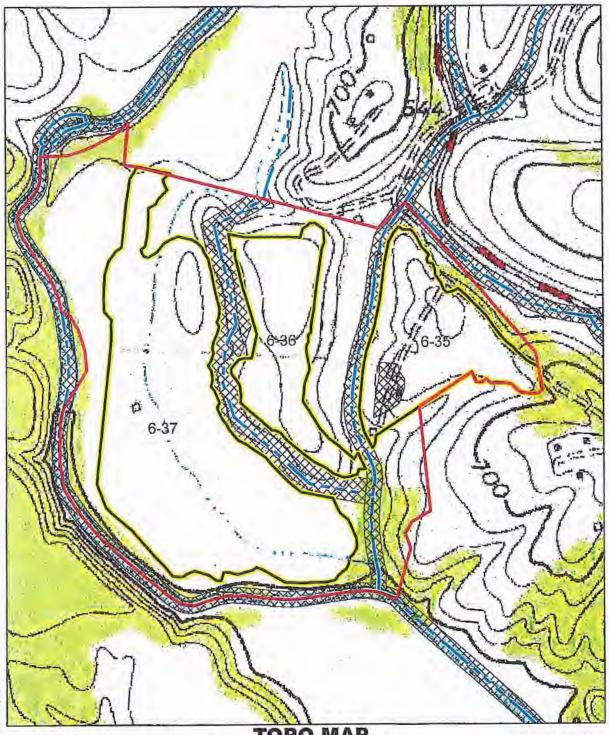
1 inch = 850 feet

REVISED 2/24/16

Field #	Gross Acres	Field#	Gross Acres
06-22	25.1	06-25	47.4
06-23	13.8	06-26	8.6
06-24	15.9	06-27	15.2
		06-28	74.2

1:10,200

Thomas Fitzgerald NE 06 Fields 35-37



1 inch = 583.333333 feet

REVISED 2/24/16

TOPO MAP

Field #	Gross Acres	
06-35	17.4	
06-36	14.7	
06-37	48.4	

1:7,000



Thomas H Fitzgerald NE06 Fields 2 – 13

NELSON (06-06 MANAGENTINA AREA 1:24,000 SCALE

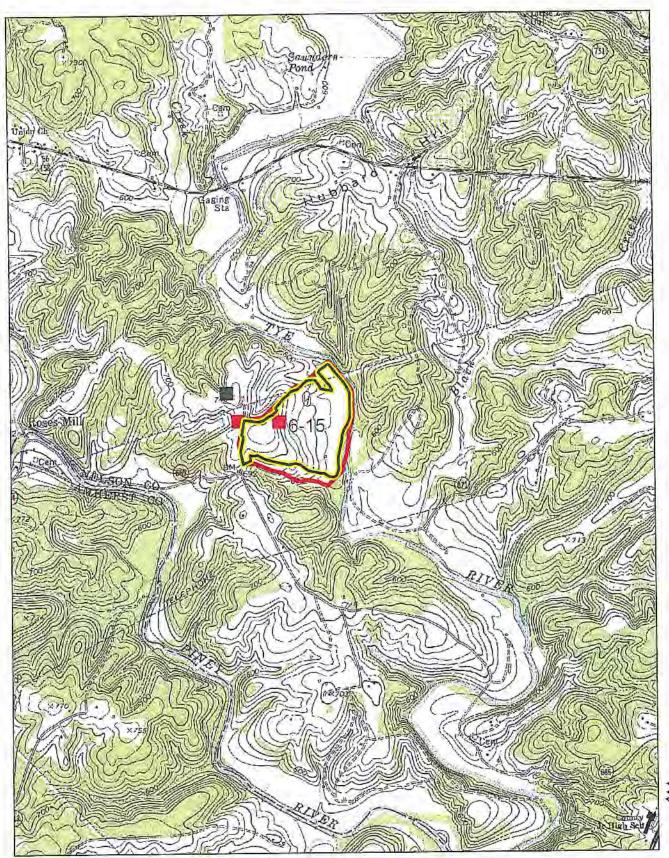


Thomas H Fitzgerald NE06 Field 14

Jonesudi Massies Mill 1:24,000 SCALE

TOPO MAP

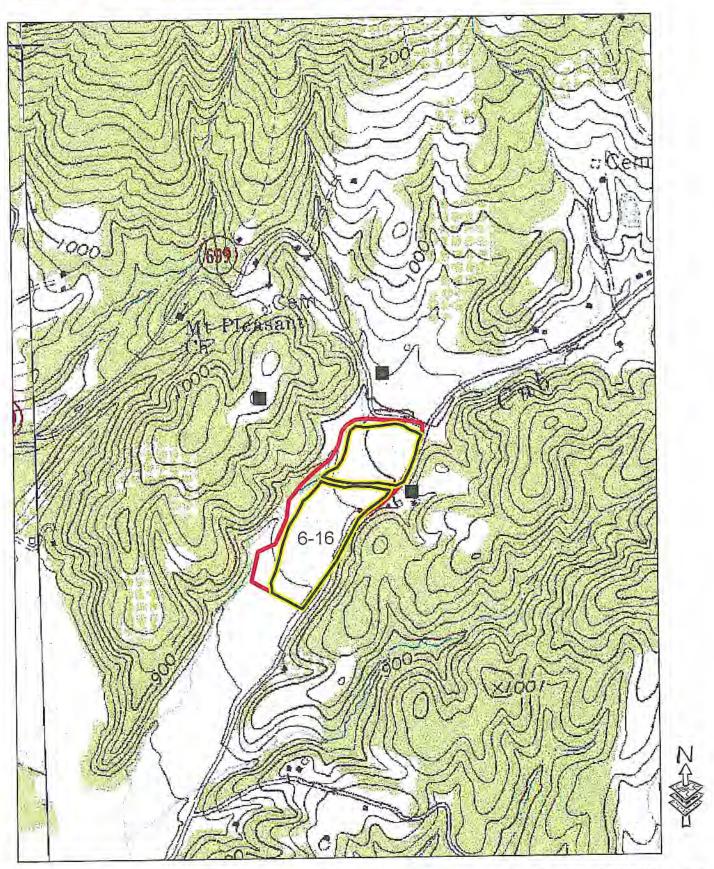
Thomas Fitzgerald NE 6 Field 15





1 inch = 2,000 feet

Thomas Fitzgerald NE 6 Field 16

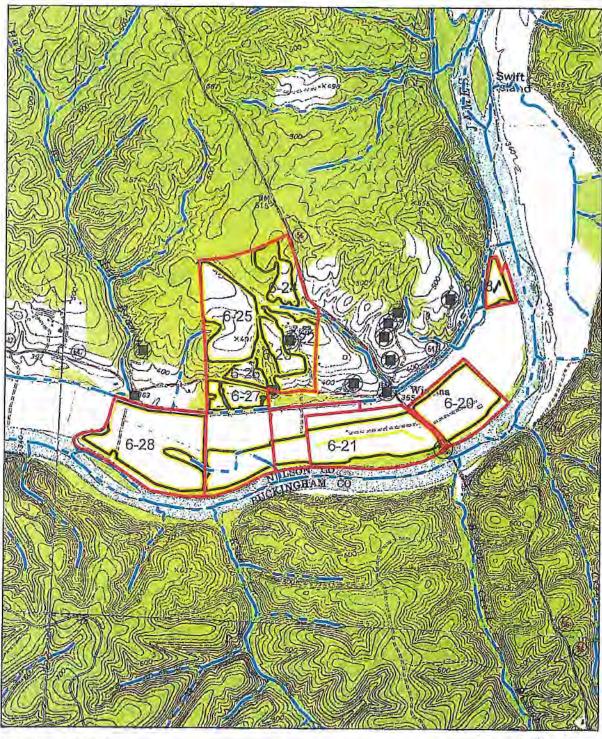


1:10,000

TOPO MAP

1 inch = 833.333333 feet

Thomas Fitzgerald NE 06 Fields 18-28





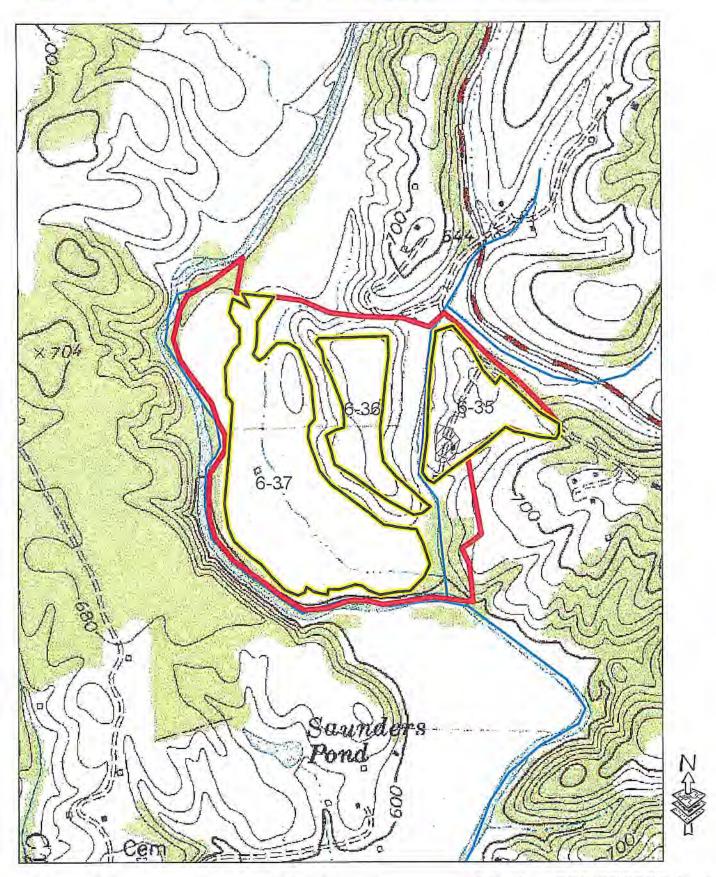
1 inch = 2,000 feet

TOPO MAP

1:24,000

REVISED 3/16/16

Thomas Fitzgerald NE 6 Fields 35-37

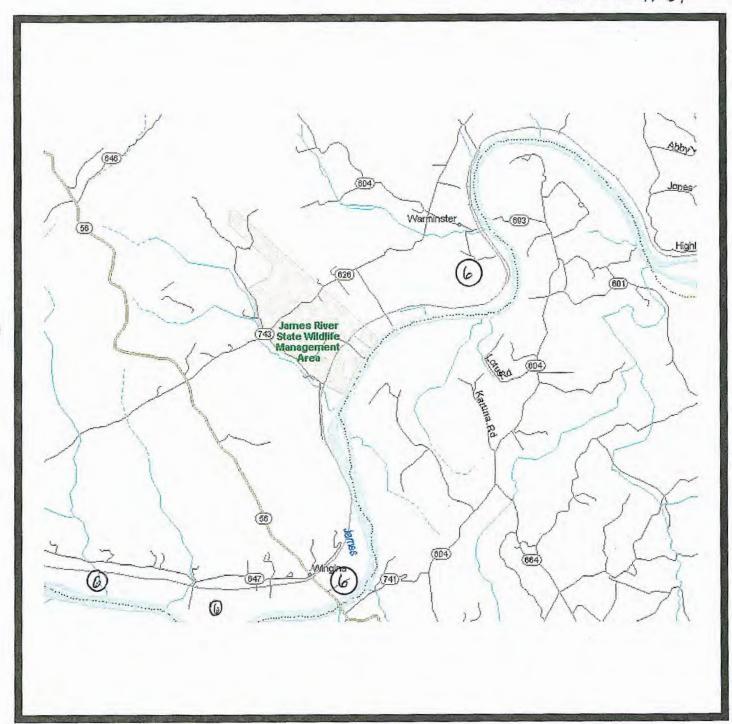


1:10,000

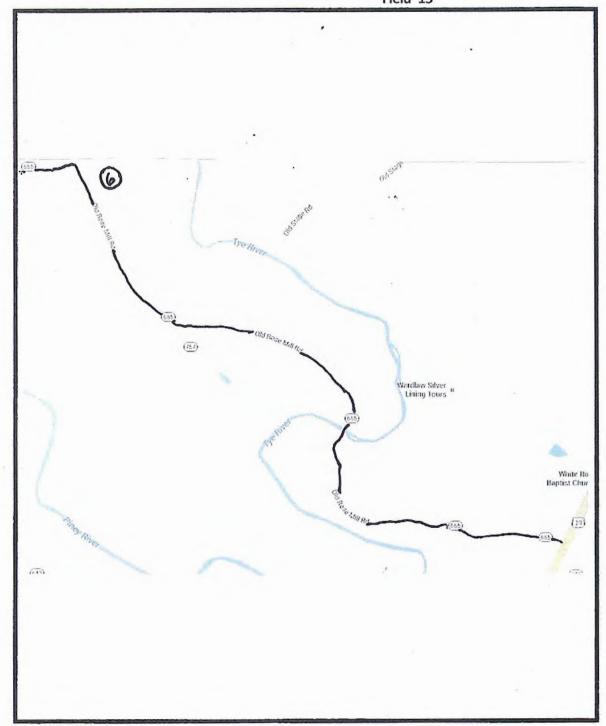
TOPO MAP

1 inch = 833.333333 feet

Thomas H Fitzgerald NE06 Fields 1 – 13 29-34

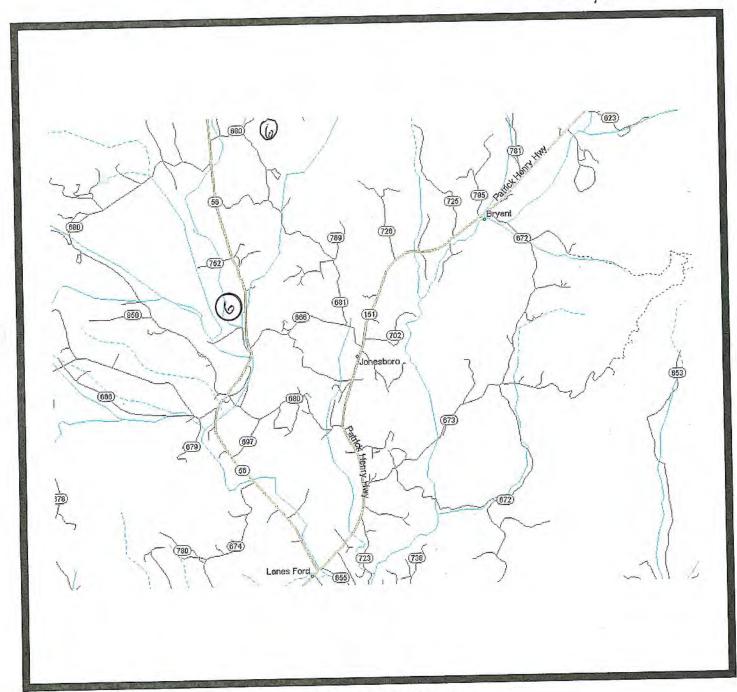


Thomas H Fitzgerald NE 6 Field 15





Thomas H Fitzgerald NE06 Field 14/16



Thomas H Fitzgerald NE 6 Field 35-37

